NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347059**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 2, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

ELECTRICAL INSTALLATION CERTIFICATE

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

PART P NUMBER: N/A

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 2, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	25/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	25/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	25/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	25/01/2016	Signature		Date	25/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)			Qualified Supervisor†

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	25/01/2016	Signature		Date	25/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE		Qualified Supervisor††

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

DESIGN (2)
Organisation † N/A
Address: N/A Postcode: N/A
NICEIC Enrolment No (where appropriate): N/A
Branch number: (if applicable): N/A

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable): N/A

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate ✣

✣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)	N/A	other	N/A
Other	N/A				

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	7.2 kA		
External earth fault loop impendance, Ze (2)(3)	0.03 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc): N/A
Electrode resistance, R_A: N/A (Ω)

Details of Installation Earth Electrode (where applicable)

Location: N/A
Method of measurement: N/A

✣Main Switch or Circuit-Breaker

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	30 mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633: N/A

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s) N/A

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	10	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7L1	RING - KITCHEN	A	103	6	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	13	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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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 **ICN3/0628417**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* *See note below*					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * *See note below*	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)	(✔)
1L1	N/A	N/A	N/A	0.16	N/A	N/A	> 299	> 299	> 299	✔	0.15	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	45.8	13.5	✔
3L1	N/A	N/A	N/A	0.24	N/A	N/A	> 299	> 299	> 299	✔	0.16	N/A	N/A	
4L1	N/A	N/A	N/A	0.58	N/A	N/A	> 299	> 299	> 299	✔	0.54	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	48.1	14.6	✔
7L1	N/A	N/A	N/A	1.56	N/A	N/A	> 299	> 299	> 299	✔	0.30	N/A	N/A	
8L1	N/A	N/A	N/A	0.64	N/A	N/A	> 299	> 299	> 299	✔	0.96	N/A	N/A	
9L1	N/A	N/A	N/A	1.46	N/A	N/A	> 299	> 299	> 299	✔	0.39	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347060**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 3, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

ELECTRICAL INSTALLATION CERTIFICATE

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

PART P NUMBER: N/A

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 3, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

DESIGN (2)
Organisation † N/A
Address: N/A Postcode: N/A
NICEIC Enrolment No (where appropriate): N/A
Branch number: (if applicable): N/A

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable): N/A

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣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)	N/A	other	N/A
Other	N/A				

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230	V	U_0 (1) 230 V
Nominal frequency, $f^{(1)}$	50	Hz	
Prospective fault current, I_{pf} (2)(3)	7.2	kA	
External earth fault loop impendance, Ze (2)(3)	0.02	Ω	
Number of supplies	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: 60 A
Short-circuit capacity: 33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing
Distributor's facility: ✔
Installation earth electrode: N/A
Type: (eg rod(s),tape etc) N/A
Electrode resistance, R_A: N/A (Ω)

Details of Installation Earth Electrode (where applicable)
Location: N/A
Method of measurement: N/A

✣Main Switch or Circuit-Breaker
** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	N/A mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633: N/A

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s) N/A

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: UTILITY CUPBOARD

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RCD	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	8	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	RADIAL - HIU	A	103	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	0.4	N/A	N/A	N/A	N/A	N/A	0.00
RCD	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	5	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	10	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL EXTRACT	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* See note below					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	0.26	N/A	N/A	> 299	> 299	> 299	✔	0.27	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	27.3	14.3	✔
3L1	N/A	N/A	N/A	0.30	N/A	N/A	> 299	> 299	> 299	✔	0.24	N/A	N/A	
4L1	N/A	N/A	N/A	0.53	N/A	N/A	> 299	> 299	> 299	✔	0.49	N/A	N/A	
5L1	N/A	N/A	N/A	0.11	N/A	N/A	> 299	> 299	> 299	✔	0.30	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	27.7	14.3	✔
7L1	N/A	N/A	N/A	0.20	N/A	N/A	> 299	> 299	> 299	✔	0.23	N/A	N/A	
8L1	N/A	N/A	N/A	0.57	N/A	N/A	> 299	> 299	> 299	✔	0.56	N/A	N/A	
9L1	N/A	N/A	N/A	0.26	N/A	N/A	> 299	> 299	> 299	✔	0.56	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

* 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	14/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347061**

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Issued in accordance with BS 5839-6 : 2013.

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 4, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 23/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is: New ✔ / An addition / An alteration

Address: FLAT 4, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*
†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate) 22884
Branch number: (if applicable)

DESIGN (2)
Organisation †
Address: Postcode:
NICEIC Enrolment No (where appropriate)
Branch number: (if applicable)

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation) 22884
Branch number: (if applicable)

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate) 22884
Branch number: (if applicable)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate ✣

✣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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	3.4 kA		
External earth fault loop impendance, Ze (2)(3)	0.09 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)
Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)
Location:
Method of measurement:

✣Main Switch or Circuit-Breaker
** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load) 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: UTILITY CUPBOARD

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

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

Circuit number and phase	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 No	Overcurrent protective devices: Rating (A)	Overcurrent protective devices: Short-circuit capacity (kA)	RCD: Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	9	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	RADIAL - HIU	A	103	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	6	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	13	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL EXTRACT	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	0.21	N/A	N/A	> 299	> 299	> 299	✔	0.19	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	27.1	12.8	✔
3L1	N/A	N/A	N/A	0.24	N/A	N/A	> 299	> 299	> 299	✔	0.26	N/A	N/A	
4L1	N/A	N/A	N/A	0.57	N/A	N/A	> 299	> 299	> 299	✔	0.57	N/A	N/A	
5L1	N/A	N/A	N/A	0.16	N/A	N/A	> 299	> 299	> 299	✔	0.22	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	36.5	13.6	✔
7L1	N/A	N/A	N/A	0.45	N/A	N/A	> 299	> 299	> 299	✔	0.40	N/A	N/A	
8L1	N/A	N/A	N/A	0.95	N/A	N/A	> 299	> 299	> 299	✔	1.1	N/A	N/A	
9L1	N/A	N/A	N/A	0.35	N/A	N/A	> 299	> 299	> 299	✔	0.33	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	14/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347062**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 5, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 5, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation †: R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable):

DESIGN (2)
Organisation †:
Address: Postcode:
NICEIC Enrolment No (where appropriate):
Branch number: (if applicable):

† CONSTRUCTION
Organisation: R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable):

INSPECTION AND TESTING
Organisation †: R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): U(1)	230	V	U_0 (1) 230 V
Nominal frequency, f(1)	50	Hz	
Prospective fault current, I_{pf} (2)(3)	.4	kA	
External earth fault loop impendance, Ze (2)(3)	0.07	Ω	
Number of supplies	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	60	A
Short-circuit capacity	33	kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)
Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)

Location:
Method of measurement:

✣Main Switch or Circuit-Breaker

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: UTILITY CUPBOARD

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices: Rating (A)	Overcurrent protective devices: Short-circuit capacity (kA)	RCD: Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	10	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	RADIAL - HIU	A	103	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	6	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	13	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL EXTRACT	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	0.17	N/A	N/A	> 299	> 299	> 299	✔	0.16	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	36.0	12.9	✔
3L1	N/A	N/A	N/A	0.48	N/A	N/A	> 299	> 299	> 299	✔	0.23	N/A	N/A	
4L1	N/A	N/A	N/A	0.69	N/A	N/A	> 299	> 299	> 299	✔	0.60	N/A	N/A	
5L1	N/A	N/A	N/A	0.15	N/A	N/A	> 299	> 299	> 299	✔	0.20	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	26.4	13.8	✔
7L1	N/A	N/A	N/A	0.37	N/A	N/A	> 299	> 299	> 299	✔	0.31	N/A	N/A	
8L1	N/A	N/A	N/A	0.94	N/A	N/A	> 299	> 299	> 299	✔	1.0	N/A	N/A	
9L1	N/A	N/A	N/A	0.39	N/A	N/A	> 299	> 299	> 299	✔	0.48	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	14/01/2016

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See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347063**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 7, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is: New ✔ / An addition / An alteration

Address: FLAT 7, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*
†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable):

DESIGN (2)
Organisation †
Address: Postcode:
NICEIC Enrolment No (where appropriate):
Branch number: (if applicable):

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable):

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230	V	U_0 (1) 230 V
Nominal frequency, $f^{(1)}$	50	Hz	
Prospective fault current, I_{pf} (2)(3)	3.4	kA	
External earth fault loop impendance, Ze (2)(3)	0.07	Ω	
Number of supplies	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	60	A
Short-circuit capacity	33	kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s), tape etc)
Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)
Location:
Method of measurement:

✣ **Main Switch or Circuit-Breaker**
** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A

Rating: N/A A

RCD No of poles: N/A

$I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	17	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	N/A	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* See note below					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.76	N/A	N/A	> 299	> 299	> 299	✔	1.71	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	45.8	13.5	✔
3L1	N/A	N/A	N/A	0.27	N/A	N/A	> 299	> 299	> 299	✔	0.25	N/A	N/A	
4L1	N/A	N/A	N/A	1.11	N/A	N/A	> 299	> 299	> 299	✔	1.06	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	48.1	14.6	✔
7L1	N/A	N/A	N/A	0.41	N/A	N/A	> 299	> 299	> 299	✔	0.39	N/A	N/A	
8L1	N/A	N/A	N/A	1.85	N/A	N/A	> 299	> 299	> 299	✔	2..1	N/A	N/A	
9L1	N/A	N/A	N/A	0.55	N/A	N/A	> 299	> 299	> 299	✔	0.45	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

* 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628414**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 8, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELETRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628414**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1) † Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

DESIGN (2) † Organisation:

Address: Postcode:

NICEIC Enrolment No (where appropriate):

Branch number: (if applicable):

† **CONSTRUCTION** Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (Essential Infomation): 22884

Branch number: (if applicable):

INSPECTION AND TESTING † Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	4.7 kA		
External earth fault loop impendance, Ze (2)(3)	0.05 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s), tape etc)

Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)

Location:

Method of measurement:

✣ **Main Switch or Circuit-Breaker**

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628414**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628414**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A

Rating: N/A A

RCD No of poles: N/A

$I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	15	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	N/A	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628414**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.46	N/A	N/A	> 299	> 299	> 299	✔	1.43	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	35.5	12.5	✔
3L1	N/A	N/A	N/A	0.19	N/A	N/A	> 299	> 299	> 299	✔	0.23	N/A	N/A	
4L1	N/A	N/A	N/A	1.20	N/A	N/A	> 299	> 299	> 299	✔	1.05	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	34.9	12.2	✔
7L1	N/A	N/A	N/A	0.44	N/A	N/A	> 299	> 299	> 299	✔	0.47	N/A	N/A	
8L1	N/A	N/A	N/A	1.83	N/A	N/A	> 299	> 299	> 299	✔	1.92	N/A	N/A	
9L1	N/A	N/A	N/A	1.43	N/A	N/A	> 299	> 299	> 299	✔	0.38	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

* 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

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See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347064**

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Issued in accordance with BS 5839-6 : 2013.

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 8, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347065**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 9, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 9, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*
†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1) † Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

DESIGN (2) † Organisation:

Address: Postcode:

NICEIC Enrolment No (where appropriate):

Branch number: (if applicable):

† **CONSTRUCTION** Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (Essential Infomation): 22884

Branch number: (if applicable):

INSPECTION AND TESTING † Organisation: R.J. Electrics

Address: [redacted] Postcode [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230	V	U_0 (1) 230 V
Nominal frequency, $f^{(1)}$	50	Hz	
Prospective fault current, I_{pf} (2)(3)	3.4	kA	
External earth fault loop impendance, Ze (2)(3)	0.09	Ω	
Number of supplies	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	60	A
Short-circuit capacity	33	kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s), tape etc)

Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)

Location:

Method of measurement:

✣ **Main Switch or Circuit-Breaker**

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A

Rating: N/A A

RCD No of poles: N/A

$I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	17	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7L1	RING - KITCHEN	A	103	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	N/A	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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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 **ICN3/0628415**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.66	N/A	N/A	> 299	> 299	> 299	✔	1.77	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	36.1	12.4	✔
3L1	N/A	N/A	N/A	0.29	N/A	N/A	> 299	> 299	> 299	✔	0.26	N/A	N/A	
4L1	N/A	N/A	N/A	1.04	N/A	N/A	> 299	> 299	> 299	✔	1.04	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	34.6	12.9	✔
7L1	N/A	N/A	N/A	0.54	N/A	N/A	> 299	> 299	> 299	✔	0.48	N/A	N/A	
8L1	N/A	N/A	N/A	1.57	N/A	N/A	> 299	> 299	> 299	✔	1.67	N/A	N/A	
9L1	N/A	N/A	N/A	0.46	N/A	N/A	> 299	> 299	> 299	✔	0.37	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	QUALIFIED SUPERVISOR
Name: (CAPITALS)	DAN MOODIE	Date of testing:	15/01/2016

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See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628416**

ELECTRICAL INSTALLATION CERTIFICATE

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

PART P NUMBER: N/A

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 10, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)			Qualified Supervisor†

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE		Qualified Supervisor††

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628416**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

DESIGN (2)
Organisation † N/A
Address: N/A Postcode: N/A
NICEIC Enrolment No (where appropriate): N/A
Branch number: (if applicable): N/A

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable): N/A

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	N/A
Other	N/A				

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	4.7 kA		
External earth fault loop impendance, Ze (2)(3)	0.05 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc) N/A
Electrode resistance, R_A: N/A (Ω)

Details of Installation Earth Electrode (where applicable)

Location: N/A
Method of measurement: N/A

✣ **Main Switch or Circuit-Breaker**

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	N/A mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633: N/A

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s) N/A

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered ICN3/0628416

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	15	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	8	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	12	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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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 **ICN3/0628416**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.69	N/A	N/A	> 299	> 299	> 299	✔	1.52	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	35.7	11.4	✔
3L1	N/A	N/A	N/A	0.25	N/A	N/A	> 299	> 299	> 299	✔	0.32	N/A	N/A	
4L1	N/A	N/A	N/A	0.90	N/A	N/A	> 299	> 299	> 299	✔	0.98	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	35.9	13.1	✔
7L1	N/A	N/A	N/A	0.53	N/A	N/A	> 299	> 299	> 299	✔	0.44	N/A	N/A	
8L1	N/A	N/A	N/A	2.15	N/A	N/A	> 299	> 299	> 299	✔	1.41	N/A	N/A	
9L1	N/A	N/A	N/A	0.74	N/A	N/A	> 299	> 299	> 299	✔	0.60	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

* 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347066**

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Issued in accordance with BS 5839-6 : 2013.

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 10, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446315**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 11, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	06/10/2015	Date	06/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446331**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 11, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.46	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.49	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$' if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	10/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: 28 Manor Road, Dagenham, Essex, RM10 8AU

Enrolment Number: 22884 | Branch number (if applicable): N/A | *(The enrolment number is essential information)*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446316**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 12, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.05	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	982	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

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

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446332**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 12, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.30	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446314**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 13, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.01	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	046	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/09/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 13, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.54	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.27	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/09/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 21/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 14, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.82	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.46	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	21/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A | *(The enrolment number is essential information)*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446334**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 21/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 14, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.52	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.34	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	21/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446318**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 15, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		2.8	Ω
Insulation resistance (* *In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Line	N/A	MΩ
	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	1.14	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	14/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 15, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.52	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 64.3	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.61	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	14/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 16
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.30	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	323	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 21, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2	0.96	Ω
Insulation resistance Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)* Line/Neutral	> 299	MΩ
† Line/Earth	> 299	MΩ
† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	N/A	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: No power at time of testing.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	26/08/2015	Date	26/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 145, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	N/A	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: No power at time of testing.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	26/08/2015	Date	26/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 22, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.54	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.57	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	29/08/2012	Date	29/08/2012

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 22, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	0.34	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.65	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
UNABLE TO OBTAIN INSULATION RESISTANCE BETWEEN NEUTRAL/EARTH ON EXISTING INSTALLATION.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 23
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation:
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance	$R_1 + R_2$ N/A Ω or R_2	1.01	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.43	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/08/2015	Date	06/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446336**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 23, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.58	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.30	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 24, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.50	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.66	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	12/06/2013	Date	12/06/2013

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 24, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.85	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	0.34	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	04/09/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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RBK00048829/67

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 25, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.0.57	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0..60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/07/2013	Date	05/07/2013

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 25
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation:
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.95	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	N/A	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.67	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
UNABLE TO CARRY OUT A LINE/NEUTRAL TEST DUE TO AN APPLIANCE BEING PLUGGED IN AND UNABLE TO REMOVE.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	03/09/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT FAN.

Location/address of the minor works: FLAT 26 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.61	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 31 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.99	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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RBK00048829/71

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 32, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.15	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.61	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	10/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 32, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.71	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.45	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 33
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.05	Ω
Maximum measured earth fault loop impedance, Z_S	0.46	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	26/08/2015	Date	26/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 05/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 33
GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.65	Ω
Maximum measured earth fault loop impedance, Z_S	0.33	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	27/08/2015	Date	27/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 34 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance	$R_1 + R_2$ N/A Ω or R_2	0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 34
GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/07/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 35
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) 0.6 Ω or R_2	N/A	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26.1	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12.1	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/07/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 35
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) 0.9 Ω or R_2	N/A	Ω
Maximum measured earth fault loop impedance, Z_S	0.46	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	16.8	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12.5	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

NICEIC Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 36
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.34	Ω
Maximum measured earth fault loop impedance, Z_S	0.69	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28.2	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12.1	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 02/09/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 36, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.60	Ω
Maximum measured earth fault loop impedance, Z_S	0.41	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/09/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 41, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2	0.82	Ω
Maximum measured earth fault loop impedance, Z_S	0.58	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/09/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 41, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements	TN-C-S	✔	TN-S		TT		TN-C		IT	
Protective measure(s) against electric shock	ADS									
Overcurrent protective device for the modified circuit	BS(EN)	BS EN 60898 MCB Type B		Type	B		Rating	32	A	
Residual current device (if applicable)	BS(EN)	BS EN 61009 RCD/RCBO B		Type	B		$I_{\Delta n}$	30	mA	
Details of wiring system used to modify the circuit	Type	Thermoplastic insulated/sheathed cables	Reference method	B	csa of lives	2.5	mm^2	csa of cpc	1.5	mm^2
Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671	0.4	s	Maximum Z_S permitted by BS 7671	1.37	Ω					

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)	Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*				
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	MΩ	Line/Earth	>299 MΩ
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	>299	MΩ	Neutral/Earth	>299 MΩ
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)			25	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.51	Ω	RCD operating time at $5I_{\Delta n}$ if applicable			7	ms
Maximum measured earth fault loop impedance, Z_S	0.54	Ω	Test button operation satisfactory			✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 42
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.42	Ω
Maximum measured earth fault loop impedance, Z_S	0.77	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 42, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.75	Ω
Maximum measured earth fault loop impedance, Z_S	0.52	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 43 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.37	Ω
Maximum measured earth fault loop impedance, Z_S	0.35	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 3.51	MΩ
Line/Neutral	> 1.01	MΩ	Neutral/Earth	> 3.42	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: UNABLE TO OBTAIN INSULATION RESISTANCE VALUES DUE TO EQUIPMENT BEING PLUGGED INTO CIRCUIT.

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 44
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.13	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/11/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 44 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.74	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 45
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.28	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	23	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 45
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2	0.52	Ω
Maximum measured earth fault loop impedance, Z_S	0.42	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 46
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.04	Ω
Maximum measured earth fault loop impedance, Z_S	0.57	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 46, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements	TN-C-S	✔	TN-S		TT		TN-C		IT	
Protective measure(s) against electric shock	ADS									
Overcurrent protective device for the modified circuit	BS(EN)	BS EN 60898 MCB Type B			Type	B			Rating	32 A
Residual current device (if applicable)	BS(EN)	BS EN 61009 RCD/RCBO B			Type	B			$I_{\Delta n}$	30 mA
Details of wiring system used to modify the circuit	Type	Thermoplastic insulated/sheathed cables		Reference method	B		csa of lives	2.5 mm²	csa of cpc	1.5 mm²
Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671		0.4 s					Maximum Z_S permitted by BS 7671			1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)	Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)				
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A MΩ	Line/Earth	>299	MΩ
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	>299 MΩ	Neutral/Earth	>299	MΩ
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)			N/A	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω	RCD operating time at $5I_{\Delta n}$ if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z_S	0.45	Ω	Test button operation satisfactory			×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 27/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 51
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.8	Ω
Maximum measured earth fault loop impedance, Z_S	0.63	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 02/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR THE EXTRACT FAN

Location/address of the minor works: FLAT 52
GRENFELL TOWER
Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.43	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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RBK00048829/94

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 53 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.58	Ω
Maximum measured earth fault loop impedance, Z_S	0.59	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 54 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.95	Ω
Maximum measured earth fault loop impedance, Z_S	0.58	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/11/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 54 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 55
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 55
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.49	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 01/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR UNIT FOR EXTRACT FAN IN KITCHEN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 56
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO FUSED SPUR UNIT IN KITCHEN FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 61, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.61	Ω
Maximum measured earth fault loop impedance, Z_S	0.25	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at $5I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 01/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 62
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.57	Ω
Maximum measured earth fault loop impedance, Z_S	0.75	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 01/09/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 62
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.44	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 63
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	24	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	8	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 63
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements	TN-C-S	✔	TN-S		TT		TN-C		IT	
Protective measure(s) against electric shock	ADS									
Overcurrent protective device for the modified circuit	BS(EN)	BS EN 60898 MCB Type B		Type	B		Rating	32	A	
Residual current device (if applicable)	BS(EN)	BS EN 61009 RCD/RCBO B		Type	B		$I_{\Delta n}$	30	mA	
Details of wiring system used to modify the circuit	Type	Thermoplastic insulated/sheathed cables	Reference method	B	csa of lives	2.5	mm²	csa of cpc	1.5	mm²
Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671	0.4	s	Maximum Z_S permitted by BS 7671	1.37	Ω					

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)	Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*				
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	MΩ	Line/Earth	>299 MΩ
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	>299	MΩ	Neutral/Earth	>299 MΩ
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)			N/A	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.53	Ω	RCD operating time at $5I_{\Delta n}$ if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z_S	0.39	Ω	Test button operation satisfactory			×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 64
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.85	Ω
Maximum measured earth fault loop impedance, Z_S	0.61	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 64
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	RHA	Signature	DM
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 65
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.69	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 65
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.49	Ω
Maximum measured earth fault loop impedance, Z_S	0.29	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 66 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.63	Ω
Maximum measured earth fault loop impedance, Z_S	0.42	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	34	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 71
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.8	Ω
Maximum measured earth fault loop impedance, Z_S	0.48	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 71
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.4	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 22/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR THE EXTRACT FAN.

Location/address of the minor works: FLAT 72 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.85	Ω
Maximum measured earth fault loop impedance, Z_S	0.28	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 74
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.70	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 74
GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.48	Ω
Maximum measured earth fault loop impedance, Z_S	0.48	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[signature]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 75
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.67	Ω
Maximum measured earth fault loop impedance, Z_S	0.32	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 75
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 22/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 76
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 76
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.56	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 81
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.68	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[signature]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 81
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.66	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 82
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.41	Ω
Maximum measured earth fault loop impedance, Z_S	0.90	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	38	ms
RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 83
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.02	Ω
Maximum measured earth fault loop impedance, Z_S	0.45	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 83, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 84
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.89	Ω
Maximum measured earth fault loop impedance, Z_S	0.77	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 84
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.49	Ω
Maximum measured earth fault loop impedance, Z_S	0.66	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/11/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 85 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.48	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	34	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR IN THE KITCHEN FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 86
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements	TN-C-S	✔	TN-S		TT		TN-C		IT	
Protective measure(s) against electric shock	ADS									
Overcurrent protective device for the modified circuit	BS(EN)	BS EN 60898 MCB Type B		Type	B		Rating	32	A	
Residual current device (if applicable)	BS(EN)	BS EN 61009 RCD/RCBO B		Type	B		$I_{\Delta n}$	30	mA	
Details of wiring system used to modify the circuit	Type	Thermoplastic insulated/sheathed cables	Reference method	B	csa of lives	2.5	mm²	csa of cpc	1.5	mm²
Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671	0.4	s	Maximum Z_S permitted by BS 7671	1.37	Ω					

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)	Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*					
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)				29	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.05	Ω	RCD operating time at $5I_{\Delta n}$ if applicable				11	ms
Maximum measured earth fault loop impedance, Z_S	0.41	Ω	Test button operation satisfactory				✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 91
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.79	Ω
Maximum measured earth fault loop impedance, Z_S	0.37	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 91
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.44	Ω
Maximum measured earth fault loop impedance, Z_S	0.38	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 07/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 92
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.47	Ω
Maximum measured earth fault loop impedance, Z_S	0.29	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 93
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.49	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

This certificate is based on the model shown in Appendix 6 of BS7671
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **MN4/0412155**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 94 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.90	Ω
Maximum measured earth fault loop impedance, Z_S	0.45	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered IMN4/0412159

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 95
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.28	Ω
Maximum measured earth fault loop impedance, Z_S	0.31	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 0.01	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
NOT ALL SOCKETS ACCESSIBLE TO UNPLUG APPLIANCES. SO INSULATION RESISTANCE TESTING LIMITED.

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered IMN4/0359848

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 96
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.71	Ω
Maximum measured earth fault loop impedance, Z_S	0.57	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 96
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.50	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

NICEIC Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347059**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 2, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode [redacted]

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

ELECTRICAL INSTALLATION CERTIFICATE

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

PART P NUMBER: N/A

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 2, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	25/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	25/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	25/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	25/01/2016	Signature		Date	25/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)			Qualified Supervisor†

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	25/01/2016	Signature		Date	25/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE		Qualified Supervisor††

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

DESIGN (2)
Organisation † N/A
Address: N/A Postcode: N/A
NICEIC Enrolment No (where appropriate): N/A
Branch number: (if applicable): N/A

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable): N/A

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate ✣

✣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)	N/A	other	N/A
Other	N/A				

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	7.2 kA		
External earth fault loop impendance, Ze (2)(3)	0.03 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc) N/A
Electrode resistance, R_A: N/A (Ω)

Details of Installation Earth Electrode (where applicable)

Location: N/A
Method of measurement: N/A

✣Main Switch or Circuit-Breaker

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	30 mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633: N/A

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s) N/A

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	10	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7L1	RING - KITCHEN	A	103	6	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	13	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628417**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	0.16	N/A	N/A	> 299	> 299	> 299	✔	0.15	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	45.8	13.5	✔
3L1	N/A	N/A	N/A	0.24	N/A	N/A	> 299	> 299	> 299	✔	0.16	N/A	N/A	
4L1	N/A	N/A	N/A	0.58	N/A	N/A	> 299	> 299	> 299	✔	0.54	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	48.1	14.6	✔
7L1	N/A	N/A	N/A	1.56	N/A	N/A	> 299	> 299	> 299	✔	0.30	N/A	N/A	
8L1	N/A	N/A	N/A	0.64	N/A	N/A	> 299	> 299	> 299	✔	0.96	N/A	N/A	
9L1	N/A	N/A	N/A	1.46	N/A	N/A	> 299	> 299	> 299	✔	0.39	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347060**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 3, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ | An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

ELECTRICAL INSTALLATION CERTIFICATE

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

PART P NUMBER: N/A

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 3, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

DESIGN (2)
Organisation † N/A
Address: N/A Postcode: N/A
NICEIC Enrolment No (where appropriate): N/A
Branch number: (if applicable): N/A

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable): N/A

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate ✣

✣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)	N/A	other	N/A
Other	N/A				

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	7.2 kA		
External earth fault loop impendance, Ze (2)(3)	0.02 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc) N/A
Electrode resistance, R_A: N/A (Ω)

Details of Installation Earth Electrode (where applicable)

Location: N/A
Method of measurement: N/A

✣Main Switch or Circuit-Breaker

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	N/A mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633: N/A

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s) N/A

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: UTILITY CUPBOARD

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A

Rating: N/A A

RCD No of poles: N/A

$I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RCD	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	8	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	RADIAL - HIU	A	103	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	0.4	N/A	N/A	N/A	N/A	N/A	0.00
RCD	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	5	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	10	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL EXTRACT	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628410**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* *See note below*					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * *See note below*	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)	(✔)
1L1	N/A	N/A	N/A	0.26	N/A	N/A	> 299	> 299	> 299	✔	0.27	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	27.3	14.3	✔
3L1	N/A	N/A	N/A	0.30	N/A	N/A	> 299	> 299	> 299	✔	0.24	N/A	N/A	
4L1	N/A	N/A	N/A	0.53	N/A	N/A	> 299	> 299	> 299	✔	0.49	N/A	N/A	
5L1	N/A	N/A	N/A	0.11	N/A	N/A	> 299	> 299	> 299	✔	0.30	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	27.7	14.3	✔
7L1	N/A	N/A	N/A	0.20	N/A	N/A	> 299	> 299	> 299	✔	0.23	N/A	N/A	
8L1	N/A	N/A	N/A	0.57	N/A	N/A	> 299	> 299	> 299	✔	0.56	N/A	N/A	
9L1	N/A	N/A	N/A	0.26	N/A	N/A	> 299	> 299	> 299	✔	0.56	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	14/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347061**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 4, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 23/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is: New ✔ / An addition / An alteration

Address: FLAT 4, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*
†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate) 22884
Branch number: (if applicable)

DESIGN (2)
Organisation †
Address: Postcode:
NICEIC Enrolment No (where appropriate)
Branch number: (if applicable)

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation) 22884
Branch number: (if applicable)

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (where appropriate) 22884
Branch number: (if applicable)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	3.4 kA		
External earth fault loop impendance, Ze (2)(3)	0.09 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)
Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)

Location:
Method of measurement:

✣Main Switch or Circuit-Breaker

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load) 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design and the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628411**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: UTILITY CUPBOARD

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	9	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	RADIAL - HIU	A	103	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	6	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	13	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL EXTRACT	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

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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 **ICN3/0628411**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* *See note below*					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * *See note below*	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)	(✔)
1L1	N/A	N/A	N/A	0.21	N/A	N/A	> 299	> 299	> 299	✔	0.19	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	27.1	12.8	✔
3L1	N/A	N/A	N/A	0.24	N/A	N/A	> 299	> 299	> 299	✔	0.26	N/A	N/A	
4L1	N/A	N/A	N/A	0.57	N/A	N/A	> 299	> 299	> 299	✔	0.57	N/A	N/A	
5L1	N/A	N/A	N/A	0.16	N/A	N/A	> 299	> 299	> 299	✔	0.22	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	36.5	13.6	✔
7L1	N/A	N/A	N/A	0.45	N/A	N/A	> 299	> 299	> 299	✔	0.40	N/A	N/A	
8L1	N/A	N/A	N/A	0.95	N/A	N/A	> 299	> 299	> 299	✔	1.1	N/A	N/A	
9L1	N/A	N/A	N/A	0.35	N/A	N/A	> 299	> 299	> 299	✔	0.33	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	14/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347062**

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Issued in accordance with BS 5839-6 : 2013.

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 5, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 5, GRENFELL TOWER, LONDON Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature | Date 23/01/2016 | Name (CAPITALS) | Designer 1

Signature | Date 23/01/2016 | Name (CAPITALS) ** | Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature | Date 23/01/2016 | Name (CAPITALS) | Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature | Date 23/01/2016 | Signature | Date 23/01/2016

Name (CAPITALS) | Inspector | Name (CAPITALS) | Qualified Supervisor†

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature | Date 23/01/2016 | Signature | Date 23/01/2016

Name (CAPITALS) ANDREW BRIDGES | Name (CAPITALS) DAN MOODIE | Qualified Supervisor††

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1) Organisation † R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

DESIGN (2) Organisation †

Address: Postcode:

NICEIC Enrolment No (where appropriate):

Branch number: (if applicable):

† **CONSTRUCTION** Organisation R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (Essential Infomation): 22884

Branch number: (if applicable):

INSPECTION AND TESTING Organisation † R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230	V	U_0 (1) 230 V
Nominal frequency, $f^{(1)}$	50	Hz	
Prospective fault current, I_{pf} (2)(3)	.4	kA	
External earth fault loop impendance, Ze (2)(3)	0.07	Ω	
Number of supplies	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	60	A
Short-circuit capacity	33	kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)

Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)

Location:

Method of measurement:

✣ **Main Switch or Circuit-Breaker**

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628412**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: UTILITY CUPBOARD

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices: Rating (A)	Overcurrent protective devices: Short-circuit capacity (kA)	RCD: Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	10	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	RADIAL - HIU	A	103	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	6	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	13	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL EXTRACT	A	103	1	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

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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 **ICN3/0628412**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* *See note below*					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * *See note below*	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)	(✔)
1L1	N/A	N/A	N/A	0.17	N/A	N/A	> 299	> 299	> 299	✔	0.16	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	36.0	12.9	✔
3L1	N/A	N/A	N/A	0.48	N/A	N/A	> 299	> 299	> 299	✔	0.23	N/A	N/A	
4L1	N/A	N/A	N/A	0.69	N/A	N/A	> 299	> 299	> 299	✔	0.60	N/A	N/A	
5L1	N/A	N/A	N/A	0.15	N/A	N/A	> 299	> 299	> 299	✔	0.20	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	26.4	13.8	✔
7L1	N/A	N/A	N/A	0.37	N/A	N/A	> 299	> 299	> 299	✔	0.31	N/A	N/A	
8L1	N/A	N/A	N/A	0.94	N/A	N/A	> 299	> 299	> 299	✔	1.0	N/A	N/A	
9L1	N/A	N/A	N/A	0.39	N/A	N/A	> 299	> 299	> 299	✔	0.48	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	14/01/2016

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See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347063**

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Issued in accordance with BS 5839-6 : 2013.

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 7, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

An alteration:

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No.: N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1): N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 7, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable):

DESIGN (2)
Organisation †
Address: Postcode:
NICEIC Enrolment No (where appropriate):
Branch number: (if applicable):

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable):

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	3.4 kA		
External earth fault loop impendance, Ze (2)(3)	0.07 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)
Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)
Location:
Method of measurement:

✣ **Main Switch or Circuit-Breaker**
** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628413**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	17	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	N/A	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

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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 **ICN3/0628413**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* See note below					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.76	N/A	N/A	> 299	> 299	> 299	✔	1.71	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	45.8	13.5	✔
3L1	N/A	N/A	N/A	0.27	N/A	N/A	> 299	> 299	> 299	✔	0.25	N/A	N/A	
4L1	N/A	N/A	N/A	1.11	N/A	N/A	> 299	> 299	> 299	✔	1.06	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	48.1	14.6	✔
7L1	N/A	N/A	N/A	0.41	N/A	N/A	> 299	> 299	> 299	✔	0.39	N/A	N/A	
8L1	N/A	N/A	N/A	1.85	N/A	N/A	> 299	> 299	> 299	✔	2..1	N/A	N/A	
9L1	N/A	N/A	N/A	0.55	N/A	N/A	> 299	> 299	> 299	✔	0.45	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

* 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

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See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 8, GRENFELL TOWER, LONDON Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELETRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*
†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (where appropriate) 22884
Branch number: (if applicable)

DESIGN (2)
Organisation †
Address: Postcode:
NICEIC Enrolment No (where appropriate)
Branch number: (if applicable)

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (Essential Infomation) 22884
Branch number: (if applicable)

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (where appropriate) 22884
Branch number: (if applicable)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate ✣

✣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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	4.7 kA		
External earth fault loop impendance, Ze (2)(3)	0.05 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)
Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)
Location:
Method of measurement:

✣Main Switch or Circuit-Breaker
** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load) 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design and the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	15	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	N/A	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

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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 **ICN3/0628414**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity				
* See note below						
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.46	N/A	N/A	> 299	> 299	> 299	✔	1.43	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	35.5	12.5	✔
3L1	N/A	N/A	N/A	0.19	N/A	N/A	> 299	> 299	> 299	✔	0.23	N/A	N/A	
4L1	N/A	N/A	N/A	1.20	N/A	N/A	> 299	> 299	> 299	✔	1.05	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	34.9	12.2	✔
7L1	N/A	N/A	N/A	0.44	N/A	N/A	> 299	> 299	> 299	✔	0.47	N/A	N/A	
8L1	N/A	N/A	N/A	1.83	N/A	N/A	> 299	> 299	> 299	✔	1.92	N/A	N/A	
9L1	N/A	N/A	N/A	1.43	N/A	N/A	> 299	> 299	> 299	✔	0.38	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

* 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347064**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 8, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [redacted] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. *The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.*

Note 2. *An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.*

Note 3. *This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.*

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347065**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 9, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode [redacted]

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

ELECTRICAL INSTALLATION CERTIFICATE

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)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is: New ✔ / An addition / An alteration

Address: FLAT 9, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5):

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date)
except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*
†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1) † Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

DESIGN (2) † Organisation:

Address: Postcode:

NICEIC Enrolment No (where appropriate):

Branch number: (if applicable):

† **CONSTRUCTION** Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (Essential Infomation): 22884

Branch number: (if applicable):

INSPECTION AND TESTING † Organisation: R.J. Electrics

Address: [redacted] Postcode: [redacted]

NICEIC Enrolment No (where appropriate): 22884

Branch number: (if applicable):

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣ **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)	N/A	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	3.4 kA		
External earth fault loop impendance, Ze (2)(3)	0.09 Ω		
Number of supplies	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	60 A
Short-circuit capacity	33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣ **Means of Earthing**

Distributor's facility:	✔
Installation earth electrode:	N/A

Type: (eg rod(s),tape etc)

Electrode resistance, R_A: (Ω)

Details of Installation Earth Electrode (where applicable)

Location:

Method of measurement:

✣ **Main Switch or Circuit-Breaker**

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

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance, Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance, Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: N/A $I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	17	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7L1	RING - KITCHEN	A	103	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	N/A	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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 next page for Schedule of Test Results

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628415**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

	N/A	Confirmation of supply polarity			
* See note below					
Z_s *	N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms
I_{pf} *	N/A	kA		At $5I_{\Delta n}$	N/A ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.66	N/A	N/A	> 299	> 299	> 299	✔	1.77	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	36.1	12.4	✔
3L1	N/A	N/A	N/A	0.29	N/A	N/A	> 299	> 299	> 299	✔	0.26	N/A	N/A	
4L1	N/A	N/A	N/A	1.04	N/A	N/A	> 299	> 299	> 299	✔	1.04	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	34.6	12.9	✔
7L1	N/A	N/A	N/A	0.54	N/A	N/A	> 299	> 299	> 299	✔	0.48	N/A	N/A	
8L1	N/A	N/A	N/A	1.57	N/A	N/A	> 299	> 299	> 299	✔	1.67	N/A	N/A	
9L1	N/A	N/A	N/A	0.46	N/A	N/A	> 299	> 299	> 299	✔	0.37	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	QUALIFIED SUPERVISOR
Name: (CAPITALS)	DAN MOODIE	Date of testing:	15/01/2016

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See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628416**

ELECTRICAL INSTALLATION CERTIFICATE

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

PART P NUMBER: N/A

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENACE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 10, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

New ✔

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION

An addition

An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **DESIGN** of the installation:

** *(Where there is divided responsibility for the design)*

Signature		Date	23/01/2016	Name (CAPITALS)		Designer 1
Signature		Date	23/01/2016	Name (CAPITALS)	**	Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **CONSTRUCTION** of the installation:

Signature		Date	23/01/2016	Name (CAPITALS)		Constructor

INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to N/A (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): N/A

The extent of liabilty of the signatory/signatories is limited to the work described above as the subject of this certificate.
For the **INSPECTION AND TESTING** of the installation:

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)		Inspector		Name (CAPITALS)		Qualified Supervisor†	

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): NONE

The extent of liabilty of the signatory is limited to the work described above as the subject of this certificate.
For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation:

Reviewed by

Signature		Date	23/01/2016	Signature		Date	23/01/2016
Name (CAPITALS)	ANDREW BRIDGES			Name (CAPITALS)	DAN MOODIE	Qualified Supervisor††	

† *Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

†† *Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628416**

ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)
Organisation † R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

DESIGN (2)
Organisation † N/A
Address: N/A Postcode: N/A
NICEIC Enrolment No (where appropriate): N/A
Branch number: (if applicable): N/A

† CONSTRUCTION
Organisation R.J. Electrics
Address: [redacted] Postcode: [redacted]
NICEIC Enrolment No (Essential Infomation): 22884
Branch number: (if applicable): N/A

INSPECTION AND TESTING
Organisation † R.J. Electrics
Address: [redacted] Postcode [redacted]
NICEIC Enrolment No (where appropriate): 22884
Branch number: (if applicable): N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

✣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)	N/A	other	N/A
Other	N/A				

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	230 V	U_0 (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	4.7 kA		
External earth fault loop impendance, Z_e (2)(3)	0.05 Ω		
Number of supplies	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: 60 A
Short-circuit capacity: 33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

✣Means of Earthing
Distributor's facility: ✔
Installation earth electrode: N/A
Type: (eg rod(s),tape etc) N/A
Electrode resistance, R_A: N/A (Ω)

Details of Installation Earth Electrode (where applicable)
Location: N/A
Method of measurement: N/A

✣Main Switch or Circuit-Breaker
** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Type: BS(EN)	60947-2	Voltage rating	230 V
No of Poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	N/A mA
Supply conductors csa	16 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

Maximum Demand (Load): 40 Amps

Protective measures against electric shock: ADS

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
Continuity/ connection verified	✔	Continuity/ connection verified	✔

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	N/A
Lightning protection	N/A	Other incoming service(s)	N/A

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633: N/A

Note: Enter 'NONE' or, where appropriate, the page number(s) of addional page(s) of comments on the existing installation.

NEXT INSPECTION

§ Interval in terms of years, months or weeks, as appropriate

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 YEARS OR CHANGE OF OWNERSHIP

† *Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design* ***and*** *the inspection and testing of that installation, the 'Particulars of the Organisation(s) responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'*

✣ *Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

✔	SELV	N/A	PELV

Double or reinforced insulation

✔	Double or Reinforced Insulation

Basic Protection

✔	Insulation of live parts	✔	Barriers or enclosures
N/A	Obstacles **	N/A	Placing out of reach **

Fault protection

Automatic disconnection of supply

✔	Presence of earthing conductor
✔	Presence of circuit protective conductors
✔	Presence of main protective bonding conductors
N/A	Presence of earthing arrangements for combined protective and functional purposes
✔	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
N/A	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

N/A	Absence of protective conductors

Earth-free equipotential bonding**

✔	Presence of earth-free equipotential bonding

Electrical separation

✔	For one item of current using equipment
N/A	For more than one item of current using equipment**

Additional protection

✔	Presence of residual current device(s)
✔	Presence of supplementry bonding conductors

*** for use in controlled supervised/conditions only***

Prevention of mutual detrimental influence

✔	Proximity of non-electrical services and other influences
✔	Segregation of Band I and Band II circuits or Band II insulation used
✔	Segregation of safety Circuits

Identification

✔	Presence of diagrams, instructions, circuit charts and similar information
✔	Presence of danger notices and other warning notices
✔	Labelling of protective devices, switches and terminals
✔	identification of conductors

Cables and Conductors

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

General

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

SCHEDULE OF ITEMS TESTED

† See note below

✔	External earth fault loop impendance,Z_e
✔	Installation earth electrode resistance, R_A
✔	Continuity of protective conductors
✔	Continuity of ring final circuit conductors
✔	Insulation resistance between live conductors
✔	Insulation resistance between live conductors and Earth
✔	Protection by seperation of circuits
✔	Basic protection by barrier or enclosure provided during erection
✔	Insulation of non-conducting floors or walls
✔	Polarity
✔	Earth fault loop impendance,Z_s
N/A	Verification of phase sequence
✔	Operation of resudual current devices
✔	Functional testing of assemblies
✔	Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s) N/A

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

† ***All boxes must be completed.*** *'✔' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation*

* *Where the electrical works to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such system), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **ICN3/0628416**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: FLAT ENTRANCE

Distribution board designation: CCU

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal voltage: N/A V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) N/A

Rating: N/A A

RCD No of poles: N/A

$I_{\Delta n}$ N/A mA

Circuit number and phase	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 No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Zs permitted by BS 7671 (Ω)
1L1	SMOKE ALARM	A	103	6	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
2L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
3L1	COOKER	A	103	1	10	4.0	0.4	60898 MCB	B	40	6	N/A	1.09
4L1	RING - SOCKET OUTLETS	A	103	15	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	RCD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30	N/A
7L1	RING - KITCHEN	A	103	8	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
8L1	LIGHTING	A	103	12	1.5	1.0	0.4	60898 MCB	B	6	6	N/A	7.28
9L1	RADIAL MECHANICAL	A	103	2	1.5	1.0	0.4	60898 MCB	B	16	6	N/A	2.73
10L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

† 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	N/A

* *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.*

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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 **ICN3/0628416**

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

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

N/A	Confirmation of supply polarity				
* See note below					
Z_s * N/A	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A	ms
I_{pf} * N/A	kA		At $5I_{\Delta n}$	N/A	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
Insulation resistance	6111-754/071107/3190	Other	N/A
Continuity	6111-754/071107/3190	Other	N/A

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	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)	(✔)
1L1	N/A	N/A	N/A	1.69	N/A	N/A	> 299	> 299	> 299	✔	1.52	N/A	N/A	
2L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	35.7	11.4	✔
3L1	N/A	N/A	N/A	0.25	N/A	N/A	> 299	> 299	> 299	✔	0.32	N/A	N/A	
4L1	N/A	N/A	N/A	0.90	N/A	N/A	> 299	> 299	> 299	✔	0.98	N/A	N/A	
5L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
6L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	35.9	13.1	✔
7L1	N/A	N/A	N/A	0.53	N/A	N/A	> 299	> 299	> 299	✔	0.44	N/A	N/A	
8L1	N/A	N/A	N/A	2.15	N/A	N/A	> 299	> 299	> 299	✔	1.41	N/A	N/A	
9L1	N/A	N/A	N/A	0.74	N/A	N/A	> 299	> 299	> 299	✔	0.60	N/A	N/A	
10L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	

** 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:	TESTER
Name: (CAPITALS)	RICHARD HAMILTON	Date of testing:	15/01/2016

See previous page for Schedule of Circuit Details

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **FHN6 (B-F)/0347066**

Original (To the person ordering the work)

CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

Issued in accordance with BS 5839-6 : 2013.

DETAILS OF THE CLIENT

Client: RYDON MAINTENANCE

Address: RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX

Postcode: RH18 5DW

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: FLAT 10, GRENFELL TOWER, LONDON

Postcode: W11 1TQ

The system is: New ✔ / An alteration

Extent of the fire detection and alarm system covered by this certificate: FLAT SMOKE ALARM

DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	C	D	E	F
	N/A	N/A	✔	N/A	N/A

System category	LD1	LD2	LD3	PD1	PD2
	N/A	✔	N/A	N/A	N/A

COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	✔	Simulated smoke or aerosol test		Dedicated circuit(s) provided	✔
All alarm warning devices operate	✔	Heat test		Protective device labelled	✔
Silencing system checked	✔	Bedroom sound level (Clause 13.2)		Audible and visual indication of mains failure	✔

Sound level instrument used *See note 2*

Model and serial No. N/A

Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1) N/A

USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	✔	Routine testing of the system	✔	Checking the system on reoccupation on the dwelling after a vacation etc.	✔
Action to be taken in the event of a fire alarm signal	✔	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	✔	The need to avoid contamination of detectors by paint	
Avoidance of false alarms and action in the event of a false alarm	✔	The need to keep clear space around all detectors and manual call points	✔	As-fitted drawing	✔
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	✔	Special precautions relevant to any lithium batteries used in the system	✔		

**In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.*

CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any): TESTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): ANDREW BRIDGES

This certificate has been reviewed by the Qualified Supervisor:

Signature: [signature] Date: 30/01/2016

Name (CAPITALS): DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title: RJ Electrics Ltd

Address: [redacted]

Postcode: [redacted]

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446315**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 11, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	06/10/2015	Date	06/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446331**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 11, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.46	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.49	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	10/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 12, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.05	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	982	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

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

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 Branch number (if applicable): N/A *(The enrolment number is essential information)*

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446332**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 12, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.30	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446314**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 13, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.01	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	046	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/09/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446333**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 13, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.54	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.27	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/09/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 21/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 14, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.82	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.46	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	21/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 21/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 14, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.52	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.34	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	21/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 15, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		2.8	Ω
Insulation resistance (* *In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Line	N/A	MΩ
	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	1.14	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	14/08/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 15, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.52	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 64.3	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.61	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	14/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/11/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 16 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.30	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	323	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 21, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.96	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	N/A	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$' if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: No power at time of testing.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	26/08/2015	Date	26/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446348**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 145, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	N/A	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: No power at time of testing.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	26/08/2015	Date	26/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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Please see the 'Notes for Recipients'

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 22, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.54	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.57	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	29/08/2012	Date	29/08/2012

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 22
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation:
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	0.34	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.65	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
UNABLE TO OBTAIN INSULATION RESISTANCE BETWEEN NEUTRAL/EARTH ON EXISTING INSTALLATION.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/08/2015	Date	

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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RBK00048829/199

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 23, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.01	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.43	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/08/2015	Date	06/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 23, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.58	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.30	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 24, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.50	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.66	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate. *2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	12/06/2013	Date	12/06/2013

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IMN2/0446319**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 24, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.85	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	0.34	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	04/09/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 25, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.0.57	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0..60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/07/2013	Date	05/07/2013

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 25
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation:
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.95	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	N/A	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.67	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
UNABLE TO CARRY OUT A LINE/NEUTRAL TEST DUE TO AN APPLIANCE BEING PLUGGED IN AND UNABLE TO REMOVE.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	03/09/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT FAN.

Location/address of the minor works: FLAT 26 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.61	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 31 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.99	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 32, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		1.15	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.61	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	10/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 32, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.71	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.45	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 33
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.05	Ω
Maximum measured earth fault loop impedance, Z_S	0.46	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	26/08/2015	Date	26/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

NICEIC Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Original (To the person ordering the work)

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

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 05/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 33
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.65	Ω
Maximum measured earth fault loop impedance, Z_S	0.33	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	27/08/2015	Date	27/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 34, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.59	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/08/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 34, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: 28 Manor Road, Dagenham, Essex, RM10 8AU

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/07/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 35
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) 0.6 Ω or R_2	N/A	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26.1	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12.1	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

NICEIC Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/07/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 35, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) 0.9 Ω or R_2	N/A	Ω
Maximum measured earth fault loop impedance, Z_S	0.46	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	16.8	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12.5	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 36
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.34	Ω
Maximum measured earth fault loop impedance, Z_S	0.69	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28.2	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12.1	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/10/2015	Date	30/10/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 02/09/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 36
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.60	Ω
Maximum measured earth fault loop impedance, Z_S	0.41	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 41
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.82	Ω
Maximum measured earth fault loop impedance, Z_S	0.58	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/09/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 41
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.51	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	25	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 42
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.42	Ω
Maximum measured earth fault loop impedance, Z_S	0.77	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 42
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.75	Ω
Maximum measured earth fault loop impedance, Z_S	0.52	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	RHA	Signature	DM
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 43 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.37	Ω
Maximum measured earth fault loop impedance, Z_S	0.35	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 3.51	MΩ
Line/Neutral	> 1.01	MΩ	Neutral/Earth	> 3.42	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: UNABLE TO OBTAIN INSULATION RESISTANCE VALUES DUE TO EQUIPMENT BEING PLUGGED INTO CIRCUIT.

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A | *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/11/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 44 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.13	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 44
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.74	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 45
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.28	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	23	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 45
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.52	Ω
Maximum measured earth fault loop impedance, Z_S	0.42	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	17/11/2015	Date	17/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 46
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.04	Ω
Maximum measured earth fault loop impedance, Z_S	0.57	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

NICEIC Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/09/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 46
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.45	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 27/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 51 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.8	Ω
Maximum measured earth fault loop impedance, Z_S	0.63	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A | *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 02/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR THE EXTRACT FAN

Location/address of the minor works: FLAT 52
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.43	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 53 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.58	Ω
Maximum measured earth fault loop impedance, Z_S	0.59	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 54 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.95	Ω
Maximum measured earth fault loop impedance, Z_S	0.58	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/11/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 54 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 55
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 55
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.49	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 01/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR UNIT FOR EXTRACT FAN IN KITCHEN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 56
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO FUSED SPUR UNIT IN KITCHEN FOR EXTRACT FAN

Location/address of the minor works:
FLAT 61
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.61	Ω
Maximum measured earth fault loop impedance, Z_S	0.25	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 01/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 62
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.57	Ω
Maximum measured earth fault loop impedance, Z_S	0.75	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 01/09/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 62
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.44	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 63
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	24	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	8	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 63
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.53	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	RHA	Signature	DM
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 64
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.85	Ω
Maximum measured earth fault loop impedance, Z_S	0.61	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 64
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 65
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.69	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 65
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.49	Ω
Maximum measured earth fault loop impedance, Z_S	0.29	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 66
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.63	Ω
Maximum measured earth fault loop impedance, Z_S	0.42	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	34	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 71
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.8	Ω
Maximum measured earth fault loop impedance, Z_S	0.48	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 71
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.4	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 22/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR THE EXTRACT FAN.

Location/address of the minor works: FLAT 72
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.85	Ω
Maximum measured earth fault loop impedance, Z_S	0.28	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 74
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.70	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 74
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.48	Ω
Maximum measured earth fault loop impedance, Z_S	0.48	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 75
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.67	Ω
Maximum measured earth fault loop impedance, Z_S	0.32	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 75
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 22/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 76
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 76
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.56	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	D.M.
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	22/11/2015	Date	22/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 81
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.68	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/11/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 81, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.66	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 82
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.41	Ω
Maximum measured earth fault loop impedance, Z_S	0.90	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	38	ms
RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 83
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.02	Ω
Maximum measured earth fault loop impedance, Z_S	0.45	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 83
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 84
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.89	Ω
Maximum measured earth fault loop impedance, Z_S	0.77	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 84
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.49	Ω
Maximum measured earth fault loop impedance, Z_S	0.66	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. EXTRACT FAN

Location/address of the minor works: FLAT 85 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.48	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	34	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR IN THE KITCHEN FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 86
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements	TN-C-S	✔	TN-S		TT		TN-C		IT	
Protective measure(s) against electric shock	ADS									
Overcurrent protective device for the modified circuit	BS(EN)	BS EN 60898 MCB Type B		Type	B		Rating	32	A	
Residual current device (if applicable)	BS(EN)	BS EN 61009 RCD/RCBO B		Type	B		$I_{\Delta n}$	30	mA	
Details of wiring system used to modify the circuit	Type	Thermoplastic insulated/sheathed cables	Reference method	B	csa of lives	2.5	mm²	csa of cpc	1.5	mm²
Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671	0.4	s	Maximum Z_S permitted by BS 7671	1.37	Ω					

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)	Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*					
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)				29	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.05	Ω	RCD operating time at $5I_{\Delta n}$ if applicable				11	ms
Maximum measured earth fault loop impedance, Z_S	0.41	Ω	Test button operation satisfactory				✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 91
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.79	Ω
Maximum measured earth fault loop impedance, Z_S	0.37	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 91
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2	0.44	Ω
Maximum measured earth fault loop impedance, Z_S	0.38	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 07/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 92
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.47	Ω
Maximum measured earth fault loop impedance, Z_S	0.29	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 93
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.49	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 94 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.90	Ω
Maximum measured earth fault loop impedance, Z_S	0.45	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 95
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.28	Ω
Maximum measured earth fault loop impedance, Z_S	0.31	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 0.01	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
NOT ALL SOCKETS ACCESSIBLE TO UNPLUG APPLIANCES. SO INSULATION RESISTANCE TESTING LIMITED.

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 96
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.71	Ω
Maximum measured earth fault loop impedance, Z_S	0.57	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[signature]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Original (To the person ordering the work)

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

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 11/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 96
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.50	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 27/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT.

Location/address of the minor works: FLAT 101 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.7	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	19/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 102
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.75	Ω
Maximum measured earth fault loop impedance, Z_S	0.42	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 102
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.55	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance
(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	22	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	8	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/09/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 103
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.90	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	4.13	MΩ
Line/Neutral	0.14	MΩ	Neutral/Earth	5.07	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
INSULATION RESISTANCE TEST UNSATISFACTORY DUE TO APPLIANCES BEING PLUGGED IN AND NOT BE ABLE TO BE REMOVED

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/11/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 103
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.55	Ω
Maximum measured earth fault loop impedance, Z_S	0.51	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 104
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works:
FLAT 104
GRENFELL TOWER
Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended):
N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.72	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	24/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 105 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.4	Ω
Maximum measured earth fault loop impedance, Z_S	0.29	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	0	MΩ
Line/Neutral	33.9	MΩ	Neutral/Earth	35.2	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
UNABLE TO OBTAIN INSULATION RESISTANCE BETWEEN LINE/EARTH DUE TO APPLIANCES BEING PLUGGED INTO THE CIRCUIT.

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 105 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.70	Ω
Maximum measured earth fault loop impedance, Z_S	0.17	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 106, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.97	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.36	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	10/09/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/09/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 106, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.55	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	0.13	MΩ
	† Line/Earth	9.99	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.28	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
Insulation resistance test showed faults on existing circuit which may be due to an appliance being plugged and unable to remove.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	10/09/2015	Date	10/09/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT

Location/address of the minor works: FLAT 111 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.93	Ω
Maximum measured earth fault loop impedance, Z_S	0.73	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/09/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN OUTLET.

Location/address of the minor works: FLAT 112
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.01	Ω
Maximum measured earth fault loop impedance, Z_S	0.25	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at $5I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/09/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 113 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.65	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/12/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 113 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω
Maximum measured earth fault loop impedance, Z_S	0.32	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 114 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.90	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 115 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.25	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	8	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 115 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.79	Ω
Maximum measured earth fault loop impedance, Z_S	0.24	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at $5I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 09/09/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 116 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.35	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/09/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 116 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.60	Ω
Maximum measured earth fault loop impedance, Z_S	0.25	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	6	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/10/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 121
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.95	Ω
Maximum measured earth fault loop impedance, Z_S	0.27	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 122 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.82	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	N/A	MΩ
Line/Neutral	N/A	MΩ	Neutral/Earth	N/A	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
NO ACCESS TO ALL SOCKET OUTLETS SO INSULATION RESISTANCE TESTING LIMITED.

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/12/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 122 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.68	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/09/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 123 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.95	Ω
Maximum measured earth fault loop impedance, Z_S	0.61	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 123 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.48	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 124 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.73	Ω
Maximum measured earth fault loop impedance, Z_S	0.52	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 124 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.43	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/09/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 125 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.88	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/09/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 125 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.57	Ω
Maximum measured earth fault loop impedance, Z_S	0.56	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 126 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.60	Ω
Maximum measured earth fault loop impedance, Z_S	0.48	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	N/A	MΩ
Line/Neutral	N/A	MΩ	Neutral/Earth	N/A	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing: UNABLE TO UNPLUG ALL SOCKET OUTLETS SO INSULATION RESISTANCE TESTING INCOMPLETE.

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT.

Location/address of the minor works: FLAT 131 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.04	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 05/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR UNIT FOR KITCHEN EXTRACT.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 132
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.70	Ω
Maximum measured earth fault loop impedance, Z_S	0.32	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits.

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	27/08/2015	Date	27/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 05/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 133
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.59	Ω
Maximum measured earth fault loop impedance, Z_S	N/A	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	0.05	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No access to unplug accessories on ring circuit. No RCD test due to disruption of existing circuits.,

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	27/08/2015	Date	27/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 27/08/2015

Part P ref: N/A

Description of the Minor works:
ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 133
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.82	Ω
Maximum measured earth fault loop impedance, Z_S	0.38	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	>299	MΩ
Line/Neutral	>299	MΩ	Neutral/Earth	>299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at 5$I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	27/08/2015	Date	27/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

NICEIC Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/12/2015 Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 134
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B Type B Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B Type B $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables Reference method B csa of lives 2.5 mm² csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.95	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A Risk assessment appended: N/A No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884 Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 135
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.00	Ω
Maximum measured earth fault loop impedance, Z_S	0.51	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 135, GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.66	Ω
Maximum measured earth fault loop impedance, Z_S	0.37	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 136
GRENFELL TOWER
Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.70	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 141, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.1.09	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 0.05	MΩ
	† Line/Earth	> 0.34	MΩ
	† Neutral/Earth	> 0.35	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.68	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
Insulation resistance testing shows faults on existing circuit possibly due to an appliance plugged in.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/08/2015	Date	13/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 141, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.41	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 33.9	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.75	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/08/2015	Date	13/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR IN KITCHEN FOR EXTRACT FAN.

Location/address of the minor works: FLAT 142 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.78	Ω
Maximum measured earth fault loop impedance, Z_S	0.42	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	18/09/2015	Date	18/09/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 143 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 143 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.55	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 144 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.49	Ω
Maximum measured earth fault loop impedance, Z_S	0.49	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at $5I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	24/11/2015	Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 145 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.07	Ω
Maximum measured earth fault loop impedance, Z_S	0.71	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 145 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.41	Ω
Maximum measured earth fault loop impedance, Z_S	0.54	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	33.9	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **MN4/0412153**

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 16/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT FAN.

Location/address of the minor works: FLAT 146 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at $5I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2051

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/12/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 151 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.6	Ω
Maximum measured earth fault loop impedance, Z_S	0.49	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/12/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 151 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.65	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 30/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR THE EXTRACT FAN.

Location/address of the minor works: FLAT 152 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.53	Ω
Maximum measured earth fault loop impedance, Z_S	0.33	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 153 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.7	Ω
Maximum measured earth fault loop impedance, Z_S	0.51	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	15	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 153 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.55	Ω
Maximum measured earth fault loop impedance, Z_S	0.34	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 154 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.73	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	D.M.
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 154 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.48	Ω
Maximum measured earth fault loop impedance, Z_S	0.55	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 155 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.71	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
RCD operating time at $5I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	25/11/2015	Date	25/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 03/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR THE EXTRACT FAN

Location/address of the minor works: FLAT 156 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.08	Ω
Maximum measured earth fault loop impedance, Z_S	0.32	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 161
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm²; csa of cpc 1.5 mm²

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation
Insulation resistance test show faults on existing circuit possibly due to an appliance being plugged in and unable to remove.

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.83	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	0.05	MΩ
	† Line/Earth	0.37	MΩ
	† Neutral/Earth	0.33	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.41	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of electrical circuits.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/08/2015	Date	20/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 145, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.48	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.42	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/08/2015	Date	20/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 28/11/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 162 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.75	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 162, GRENFELL TOWER, Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.51	Ω
Maximum measured earth fault loop impedance, Z_S	0.56	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	25	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 163 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.97	Ω
Maximum measured earth fault loop impedance, Z_S	0.41	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 24/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 163 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.63	Ω
Maximum measured earth fault loop impedance, Z_S	0.25	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
RCD operating time at $5I_{\Delta n}$ if applicable	7	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 21/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 164 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.67	Ω
Maximum measured earth fault loop impedance, Z_S	0.52	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 21/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 164 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.46	Ω
Maximum measured earth fault loop impedance, Z_S	0.75	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER. AND 1 NO. FUSE SPUR IN KITCHEN TO POWER EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 165, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.12	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	58.5	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.60	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption on existing circuits.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	14/08/2015	Date	14/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/09/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.00	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/09/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 166 GRENFELL TOWER Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.55	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A Risk assessment appended: N/A No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate. *2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 Branch number (if applicable): N/A *(The enrolment number is essential information)*

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 171 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.24	Ω
Maximum measured earth fault loop impedance, Z_S	0.62	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 171 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.64	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 172 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.66	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 172 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.58	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

Please see the 'Notes for Recipients'

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 30/09/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 173 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.71	Ω
Maximum measured earth fault loop impedance, Z_S	0.57	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	25/11/2015	Date	25/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 09/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 174 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.84	Ω
Maximum measured earth fault loop impedance, Z_S	0.33	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 175 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.85	Ω
Maximum measured earth fault loop impedance, Z_S	0.46	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	87.5	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 175 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.55	Ω
Maximum measured earth fault loop impedance, Z_S	0.43	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	28/11/2015	Date	28/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 176
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD; Type N/A; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of live conductors 2.5 mm^2; csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation:
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.89	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.43	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	25/08/2015	Date	25/08/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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RBK00048829/348

NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 176, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		0.58	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	> 299	MΩ
	† Line/Earth	> 299	MΩ
	† Neutral/Earth	> 299	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.65	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits.

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	25/08/2015	Date	25/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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)

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 25/08/2015

Contract Reference: N/A

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT WATER AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN IN KITCHEN.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 11, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61008 RCD | Type N/A | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of live conductors 2.5 mm^2 | csa of cpc 1.5 mm^2

Where the protective measure against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments on existing installation: N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

† Confirmation that necessary inspections have been undertaken		✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2		N/A	Ω
Insulation resistance	Line/Line	N/A	MΩ
(In a multi-phase circuit, record the lower or lowest value, as appropriate)*	Line/Neutral	N/A	MΩ
	† Line/Earth	N/A	MΩ
	† Neutral/Earth	N/A	MΩ

† Confirmation of the adequacy of earthing	✓	(✓)
† Confirmation of the adequacy of equipotential bonding	✓	(✓)
† Confirmation of correct polarity	✓	(✓)
† Maximum measured earth fault loop impedance, Z_S	0.26	Ω
† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms

Agreed limitations, if any, on the inspection and testing: N/A

PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	25/08/2015	Date	25/08/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 26/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 182 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.56	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	[redacted]
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	25/11/2015	Date	25/11/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 04/11/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO FUSED SPUR FOR EXTRACT FAN

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 183
GRENFELL TOWER
Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.60	Ω
Maximum measured earth fault loop impedance, Z_S	0.65	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 08/08/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 184
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.03	Ω
Maximum measured earth fault loop impedance, Z_S	0.60	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	8	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 05/12/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 184 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.62	Ω
Maximum measured earth fault loop impedance, Z_S	0.53	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 18/12/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended): A ring final circuit having a discontinuous conductor

Location/address of the minor works: FLAT 185 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	N/A	Ω
Maximum measured earth fault loop impedance, Z_S	0.74	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	16/01/2016	Date	16/01/2016

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 13/12/2015

Part P ref: N/A

Description of the Minor works:
EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO FUSED SPUR FOR EXTRACT FAN.

Details of departures, if any, from BS 7671 (as amended):
N/A

Location/address of the minor works:
FLAT 186
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.08	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	9	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	13/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address
[redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 191 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.65	Ω
Maximum measured earth fault loop impedance, Z_S	0.66	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at $5I_{\Delta n}$ if applicable	8	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 19/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 191 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.39	Ω
Maximum measured earth fault loop impedance, Z_S	0.68	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 200	MΩ
Line/Neutral	> 97.6	MΩ	Neutral/Earth	> 62.8	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 09/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 192
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.58	Ω
Maximum measured earth fault loop impedance, Z_S	0.22	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 29/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 193 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16): N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.64	Ω
Maximum measured earth fault loop impedance, Z_S	0.31	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing: N/A

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 194 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.57	Ω
Maximum measured earth fault loop impedance, Z_S	0.36	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	D.M.
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date		Date	

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 10/11/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 194 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.69	Ω
Maximum measured earth fault loop impedance, Z_S	0.34	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT FAN.

Location/address of the minor works: FLAT 195 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.33	Ω
Maximum measured earth fault loop impedance, Z_S	0.33	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	23.9	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	30.4	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	13	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/11/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 196 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.51	Ω
Maximum measured earth fault loop impedance, Z_S	0.31	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	30/12/2015	Date	30/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A (*The enrolment number is essential information*)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 201 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.75	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	14	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 17/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 201 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.46	Ω
Maximum measured earth fault loop impedance, Z_S	0.38	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 23/10/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR EXTRACT FAN.

Location/address of the minor works: FLAT 202
GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.76	Ω
Maximum measured earth fault loop impedance, Z_S	0.45	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*N/A

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	13/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 27/08/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Location/address of the minor works: FLAT 203 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.83	Ω
Maximum measured earth fault loop impedance, Z_S	0.39	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	11	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 27/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 203 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.56	Ω
Maximum measured earth fault loop impedance, Z_S	0.31	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

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

Instrument Serial No(s): 6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature		Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

Details of departures, if any, from BS 7671 (as amended): N/A

Location/address of the minor works: FLAT 204 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.77	Ω
Maximum measured earth fault loop impedance, Z_S	0.30	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
RCD operating time at $5I_{\Delta n}$ if applicable	10	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 12/08/2015

Part P ref: N/A

Description of the Minor works: ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 204 GRENFELL TOWER

Postcode: W11 1TQ

Details of departures, if any, from BS 7671 (as amended): N/A

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.41	Ω
Maximum measured earth fault loop impedance, Z_S	0.37	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Test button operation satisfactory	×	(✓)

Agreed limitations, if any, on the inspection and testing:
No RCD test due to disruption of existing circuits

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number

N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 20/12/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. 1 NO. FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works: FLAT 205 GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ TN-S TT TN-C IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B; Type B; Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B; Type B; $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables; Reference method B; csa of lives 2.5 mm²; csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s; Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.68	Ω
Maximum measured earth fault loop impedance, Z_S	0.37	Ω

Insulation resistance *(In a polyphase circuit, record the lower or lowest value, as appropriate)*

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
RCD operating time at $5I_{\Delta n}$ if applicable	16	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages:

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	20/12/2015	Date	20/12/2015

For and on behalf of (Trading title of approved contractor)
R.J. Electrics

Address: [redacted]

Enrolment Number: 22884

Branch number (if applicable): N/A

(The enrolment number is essential information)

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NICEIC APPROVED CONTRACTOR

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MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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

Original (To the person ordering the work)

Contractor's Reference Number: N/A

To be used only for minor electrical work which does not include the provision of a new circuit

PART 1: DETAILS OF THE MINOR WORKS

Client: RYDON MAINTENANCE

Date minor works completed: 14/09/2015

Part P ref: N/A

Details of departures, if any, from BS 7671 (as amended): N/A

Description of the Minor works: EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER. AND 1 NO. FUSED SPUR FOR KITCHEN EXTRACT FAN

Location/address of the minor works: FLAT, GRENFELL TOWER

Postcode: W11 1TQ

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S ✔ | TN-S | TT | TN-C | IT

Protective measure(s) against electric shock: ADS

Overcurrent protective device for the modified circuit: BS(EN) BS EN 60898 MCB Type B | Type B | Rating 32 A

Residual current device (if applicable): BS(EN) BS EN 61009 RCD/RCBO B | Type B | $I_{\Delta n}$ 30 mA

Details of wiring system used to modify the circuit: Type Thermoplastic insulated/sheathed cables | Reference method B | csa of lives 2.5 mm² | csa of cpc 1.5 mm²

Where the measure for protection against electric shock is ADS, insert maximum disconnection time permitted by BS 7671: 0.4 s | Maximum Z_S permitted by BS 7671: 1.37 Ω

Comments, if any, on existing installation, including adequacy of earthing and bonding arrangements (see Regulation 132.16):
N/A

PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

Confirmation that necessary inspections have been undertaken	✓	(✓)
Confirmation of the adequacy of earthing	✓	(✓)
Confirmation of the adequacy of protective bonding	✓	(✓)
Confirmation of correct polarity	✓	(✓)
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.20	Ω
Maximum measured earth fault loop impedance, Z_S	0.44	Ω

Insulation resistance (*In a polyphase circuit, record the lower or lowest value, as appropriate*)

Line/Line	N/A	MΩ	Line/Earth	> 299	MΩ
Line/Neutral	> 299	MΩ	Neutral/Earth	> 299	MΩ

RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	ms
RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Test button operation satisfactory	✓	(✓)

Agreed limitations, if any, on the inspection and testing:
N/A

Instrument Serial No(s):
6111-754/071107/3190

PART 4: DECLARATION

Details of permitted exceptions appended: N/A | Risk assessment appended: N/A | No. of pages

I CERTIFY that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671, amended on the date shown* and that, to the best of my knowledge and belief, at the time of inspection, the works complied with BS 7671 except as detailed in Part 1 of this certificate.

*2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Name (CAPITALS)	RICHARD HAMILTON	Name (CAPITALS)	DAN MOODIE
Signature	R.H.A.	Signature	
Position	TESTER	Position	QUALIFIED SUPERVISOR
Date	05/12/2015	Date	05/12/2015

For and on behalf of (Trading title of approved contractor): R.J. Electrics

Address: [redacted]

Enrolment Number: 22884 | Branch number (if applicable): N/A

(The enrolment number is essential information)

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