

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

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 2, GRENFELL TOWER, LONDON

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	N/A
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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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode: RM10 8AU

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.

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

Original (To the person ordering the work)

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

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 2, GRENELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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)

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

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

Signature _____ Date 25/01/2016 Name (CAPITALS) _____ Designer 1
 Signature _____ Date 25/01/2016 Name (CAPITALS) _____ ** Designer 2
 ** (Where there is divided responsibility for the design)

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)

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

The extent of liability 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)

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

The extent of liability 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)

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

The extent of liability 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:

Signature _____ Date 25/01/2016 Signature _____ Date 25/01/2016
 Name (CAPITALS) ANDREW BRIDGES Name (CAPITALS) DAN MOODIE
 Reviewed by
 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.

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]		
	NICE/IC Enrolment No (where appropriate)	22884		
	Branch number: (if applicable)	N/A		
DESIGN (2)	Organisation †	N/A		
	Address:	N/A		
	Postcode:	N/A		
	NICE/IC Enrolment No (where appropriate)	N/A		
	Branch number: (if applicable)	N/A		
CONSTRUCTION	Organisation †	R.J. Electrics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC Enrolment No (Essential Information)	22884		
	Branch number: (if applicable)	N/A		
INSPECTION AND TESTING	Organisation †	R.J. Electrics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC 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)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	Type 2
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$ 7.2 kA	Rated current 60 A
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other N/A	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.03 Ω	Short-circuit capacity 33 kA
IT N/A	Other N/A	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

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> Type: N/A Installation earth electrode: 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> 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 mm ² 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 Conductor material Copper Conductor csa 16 mm ² Continuity/connection verified <input checked="" type="checkbox"/>		Main protective bonding conductors Conductor material Copper Conductor csa 10 mm ² Continuity/connection verified <input checked="" type="checkbox"/>	
Bonding of extraneous-conductive parts (✓) Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/> 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 additional 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.

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection
☒ Insulation of non-conducting floors or walls
☒ Polarity
☒ Earth fault loop impedance, Z_s
☐ N/A Verification of phase sequence
☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	FLAT ENTRANCE	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(E)N N/A				
Distribution board designation:	CCU	Type: BS(E)N	N/A	Rating:	N/A	A	RCD No of poles:	N/A	I _{Δn}	N/A	mA

[illegible]

↑ 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**

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SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190	
N/A	Confirmation of supply polarity									
* See note below						Insulation resistance	6111-754/071107/3190	Other	N/A	
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A					ms
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Continuity	6111-754/071107/3190	Other	N/A

[illegible]

* 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

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

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 3, GRENFELL TOWER, LONDON

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode:

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.

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

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

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 3, GRENELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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 liability of the signatory/signatories is limited to the work described above as the subject of this certificate.
 For the DESIGN of the installation:

Signature _____ Date 23/01/2016 Name (CAPITALS) _____ Designer 1
 Signature _____ Date 23/01/2016 Name (CAPITALS) _____ ** Designer 2
 ** (Where there is divided responsibility for the design)

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 liability 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 liability 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 liability 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:

Signature _____ Date 23/01/2016 Signature _____ Date 23/01/2016
 Name (CAPITALS) ANDREW BRIDGES Name (CAPITALS) DAN MOODIE
 Reviewed by
 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.

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]		
	NICE/IC Enrolment No (where appropriate)	22884		
	Branch number: (if applicable)	N/A		
DESIGN (2)	Organisation	† N/A		
	Address:	N/A		
	Postcode:	N/A		
	NICE/IC Enrolment No (where appropriate)	N/A		
	Branch number: (if applicable)	N/A		
CONSTRUCTION	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC Enrolment No (Essential Information)	22884		
	Branch number: (if applicable)	N/A		
INSPECTION AND TESTING	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC 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)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic Type 2 Rated current 60 A Short-circuit capacity 33 kA
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$ 7.2 kA	
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other N/A	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.02 Ω	
IT N/A	Other N/A	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	

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> 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 mm ² 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 Conductor material Copper Conductor csa 16 mm ² Continuity/connection verified <input checked="" type="checkbox"/>	Main protective bonding conductors Conductor material Copper Conductor csa 10 mm ² Continuity/connection verified <input checked="" type="checkbox"/>
Bonding of extraneous-conductive parts (✓) Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/> 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 additional 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.

ELECTRICAL INSTALLATION CERTIFICATE

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection
☒ Insulation of non-conducting floors or walls
☒ Polarity
☒ Earth fault loop impedance, Z_s
☐ N/A Verification of phase sequence
☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	UTILITY CUPBOARD	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(E)N N/A				
Distribution board designation:	CCU	Type: BS(E)N	N/A	Rating:	N/A	A	RCD No of poles:	N/A	I _{Δn}	N/A	mA

[illegible]

↑ 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

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* 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**

Original (To the person ordering the work)


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190	
N/A	Confirmation of supply polarity									
* See note below						Insulation resistance	6111-754/071107/3190	Other	N/A	
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A					ms
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Continuity	6111-754/071107/3190	Other	N/A

[illegible]

* 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**

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

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

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 23/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode:

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.

Page 1 of 1

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

Original (To the person ordering the work)

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 MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX** Postcode: **RH18 5DW**

DETAILS OF THE INSTALLATION

Address: **FLAT 4, GRENELL TOWER, LONDON** Postcode: **W11 1TQ**

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

The installation is:

New	<input checked="" type="checkbox"/>
An addition	<input type="checkbox"/>
An alteration	<input type="checkbox"/>

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 liability 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 liability 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 liability 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 liability 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.

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]		
		NICE/IC Enrolment No (where appropriate)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
DESIGN (2)	Organisation	†		
	Address:	[Redacted]		
		NICE/IC Enrolment No (where appropriate)	[Redacted]	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
CONSTRUCTION	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
		NICE/IC Enrolment No (Essential Information)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
INSPECTION AND TESTING	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
		NICE/IC Enrolment No (where appropriate)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	Type 2
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$ 3.4 kA	Rated current 60 A
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.09 Ω	Short-circuit capacity 33 kA
IT N/A	Other	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

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> 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 mm ² RCD operating time (at $I_{\Delta n}$) ms	Maximum Demand (Load) 40 Amps Protective measures against electric shock: ADS Earthing and Protective Bonding Conductors <table border="1"> <tr> <th>Earthing conductor</th> <th>Main protective bonding conductors</th> <th>Bonding of extraneous-conductive parts (✓)</th> </tr> <tr> <td>Conductor material Copper</td> <td>Conductor material Copper</td> <td>Water service <input checked="" type="checkbox"/> Gas service <input checked="" type="checkbox"/></td> </tr> <tr> <td>Conductor csa 16 mm²</td> <td>Conductor csa 10 mm²</td> <td>Oil service N/A Structural steel N/A</td> </tr> <tr> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Lightning protection N/A Other incoming service(s) N/A</td> </tr> </table>	Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)	Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas service <input checked="" type="checkbox"/>	Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A	Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	Lightning protection N/A Other incoming service(s) N/A
Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)											
Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas service <input checked="" type="checkbox"/>											
Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A											
Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	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 additional 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'

ELECTRICAL INSTALLATION CERTIFICATE

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection

☒ Insulation of non-conducting floors or walls

☒ Polarity

☒ Earth fault loop impedance, Z_s
☐ N/A Verification of phase sequence

☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	UTILITY CUPBOARD	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(E)N N/A				
Distribution board designation:	CCU	Type: BS(E)N	N/A	Rating:	N/A	A	RCD No of poles:	N/A	I _{Δn}	N/A	mA

[illegible]

↑ 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**

Page 4 of 5


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION							Test instruments (serial numbers) used:			
Characteristics at this distribution board							Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190
N/A		Confirmation of supply polarity								
* See note below										
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A	ms				
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Insulation resistance	6111-754/071107/3190	Other	N/A
							Continuity	6111-754/071107/3190	Other	N/A

[illegible]

* 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

Page 5 of 5

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**See previous page for
Schedule of Circuit Details**

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

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

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode:

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.

Page 1 of 1

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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Please see the 'Notes for Recipient on the reverse of this page.

Original (To the person ordering the work)

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 MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 5, GRENELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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 liability 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 liability 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 liability 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 liability 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.

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]		
		NICE/IC Enrolment No (where appropriate)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
DESIGN (2)	Organisation	† [Redacted]		
	Address:	[Redacted]		
		NICE/IC Enrolment No (where appropriate)	[Redacted]	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
CONSTRUCTION	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
		NICE/IC Enrolment No (Essential Information)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
INSPECTION AND TESTING	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
		NICE/IC Enrolment No (where appropriate)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	Type 2
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$.4 kA	Rated current 60 A
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.07 Ω	Short-circuit capacity 33 kA
IT N/A	Other	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

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> Type: BS(EN) 60947-2 Voltage rating 230 V No of Poles 2 Supply conductors material Copper Supply conductors csa 16 mm ² Rated current, I_n 100 A RCD operating current, $I_{\Delta n}$ RCD operating time (at $I_{\Delta n}$) [*] ms	Maximum Demand (Load) 40 Amps Protective measures against electric shock: ADS Earthing and Protective Bonding Conductors <table border="1"> <tr> <th>Earthing conductor</th> <th>Main protective bonding conductors</th> <th>Bonding of extraneous-conductive parts (✓)</th> </tr> <tr> <td>Conductor material Copper</td> <td>Conductor material Copper</td> <td>Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/></td> </tr> <tr> <td>Conductor csa 16 mm²</td> <td>Conductor csa 10 mm²</td> <td>Oil service N/A Structural steel N/A</td> </tr> <tr> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Lightning protection N/A Other incoming service(s) N/A</td> </tr> </table>	Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)	Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/>	Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A	Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	Lightning protection N/A Other incoming service(s) N/A
Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)											
Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/>											
Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A											
Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	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 additional 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'

ELECTRICAL INSTALLATION CERTIFICATE

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection
☒ Insulation of non-conducting floors or walls
☒ Polarity
☒ Earth fault loop impedance, Z_s
☐ N/A Verification of phase sequence
☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	UTILITY CUPBOARD	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(E)N N/A				
Distribution board designation:	CCU	Type: BS(E)N	N/A	Rating:	N/A	A	RCD No of poles:	N/A	I _{Δn}	N/A	mA

[illegible]

↑ 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**

Page 4 of 4

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Original (To the person ordering the work)


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/0711 07/3190	RCD	6111-754/0711 07/3190	
N/A	Confirmation of supply polarity									
* See note below										
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A	ms	Insulation resistance	6111-754/0711 07/3190	Other	N/A
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms				

[illegible]

* 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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This form is based on the model shown in Appendix 6 of BS7671 (as amended).
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**See previous page for
Schedule of Circuit Details**

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

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 6, GRENFELL TOWER, LONDON

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 31/05/2016

Signature:  Date: 29/06/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

NICEIC Enrolment No (Essential information) 22884

Branch No (if applicable) N/A

Postcode

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.

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

Original (To the person ordering the work)

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

The installation is:

Address: FLAT 6, GRENELL TOWER Postcode: W11 1TQ New ☒

Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION An addition ☐ An alteration ☐

DESIGN

Details of permitted exceptions appended: N/A Risk assessment appended: N/A No. of pages

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)

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

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

Signature Date 29/06/2016 Name (CAPITALS) Designer 1

Signature Date 29/06/2016 Name (CAPITALS) ** Designer 2

CONSTRUCTION

I, being the person responsible for the construction 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 construction, hereby CERTIFY that the construction 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)

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

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

Signature Date 29/06/2016 Name (CAPITALS) Constructor

INSPECTION AND TESTING

I, being the person responsible for the 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 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)

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

The extent of liability 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 29/06/2016 Signature Date 29/06/2016

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.

Details of permitted exceptions appended: N/A Risk assessment appended: N/A No. of pages

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)

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

The extent of liability 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:

Signature Date 29/06/2016 Signature Date 29/06/2016

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.

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

DESIGN (1)	Organisation	† R.J. Electronics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC Enrolment No (where appropriate)	22884		
	Branch number: (if applicable)	N/A		
DESIGN (2)	Organisation	† N/A		
	Address:	N/A		
	Postcode:	N/A		
	NICE/IC Enrolment No (where appropriate)	N/A		
	Branch number: (if applicable)	N/A		
CONSTRUCTION	Organisation	† R.J. Electronics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC Enrolment No (Essential Information)	22884		
	Branch number: (if applicable)	N/A		
INSPECTION AND TESTING	Organisation	† R.J. Electronics		
	Address:	[Redacted]		
	Postcode:	[Redacted]		
	NICE/IC Enrolment No (where appropriate)	22884		
	Branch number: (if applicable)	N/A		

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

Characteristics of Primary Supply Overcurrent Protective Device(s)

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S	a.c. <input checked="" type="checkbox"/> d.c. <input type="checkbox"/>	Nominal Voltage(s): $U_{(1)}$ 230 V $U_{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S	1-phase (2 wire) <input type="checkbox"/> 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole <input type="checkbox"/>	Nominal frequency, $f_{(1)}$ 50 Hz	Type 2
TN-C	2-phase (3 wire) <input type="checkbox"/> 3-pole <input type="checkbox"/>	Prospective fault current, I_p (2)(3) 3.2 kA	Rated current 60 A
TT	3-phase (3 wire) <input type="checkbox"/> 3-phase (4 wire) <input type="checkbox"/> other N/A	External earth fault loop impedance, Z_e (2)(3) 0.09 Ω	Short-circuit capacity 33 kA
IT	Other N/A	Number of sources 1	Confirmation of supply polarity <input checked="" type="checkbox"/>

Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> Installation earth electrode: <input type="checkbox"/>		Type: N/A (eg rod(s), tape etc) Electrode resistance, R_A : N/A (Ω)		Details of Installation Earth Electrode (where applicable) Location: N/A Method of measurement: N/A	
Main Switch/Switch-Fuse/Circuit-Breaker/RCD Type: BS(EN) 60947-2 No of Poles 2 Supply conductors material Copper Supply conductors csa 16 mm ²		Voltage rating 230 V Rated current, I_n 100 A RCD operating current, $I_{\Delta n}$ N/A mA RCD operating time (at $I_{\Delta n}$) N/A ms Rated delay * N/A ms		Maximum Demand (Load) 40 Amps Protective measures against electric shock: ADS	
Earthing conductor Conductor material Copper Conductor csa 16 mm ² Continuity/connection verified <input checked="" type="checkbox"/>		Earthing and Protective Bonding Conductors Main protective bonding conductors Conductor material Copper Conductor csa 10 mm ² Continuity/connection verified <input checked="" type="checkbox"/>		Bonding of extraneous-conductive parts (✓) Water installation pipes <input checked="" type="checkbox"/> Lightning protection <input type="checkbox"/> Oil installation pipes <input type="checkbox"/> Structural steel <input type="checkbox"/> Gas installation pipes <input checked="" type="checkbox"/> Other N/A	

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

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 additional 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

** The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life, and the period should be agreed between the designer, installer and other relevant parties.

† 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'

SCHEDULE OF ITEMS INSPECTED

† See note below

1.0 CONDITION OF ELECTRICAL INTAKE EQUIPMENT

(the Distributor should be notified of any unsatisfactory equipment)

1.1	Service cable	✓
1.2	Service head	✓
1.3	Distributor's earthing arrangement	✓
1.4	Meter tails - Distributor/Consumer	✓
1.5	Metering equipment	✓
1.6	Isolator	✓

2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY

2.1	Presence of adequate arrangements where generator to operate as a switched alternative	
a)	Dedicated earthing arrangement independent of that of the public supply	
2.2	Presence of adequate arrangements where generator to operate in parallel with public supply system	
a)	Correct connection of generator in parallel	
b)	Compatibility of characteristics of means of generation	
c)	Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values	
d)	Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values	
e)	Means to isolate generator from the public supply system	
2.3	Presence of alternative/additional supply warning notices at:	
a)	The origin	
b)	The meter position, if remote from origin	
c)	The consumer unit/distribution board to which the alternative/additional sources are connected	
d)	All points of isolation of ALL sources of supply	

3.0 AUTOMATIC DISCONNECTION OF SUPPLY

3.1	Presence and adequacy of protective earthing/ bonding arrangements as follows:	
a)	Distributor's earthing arrangement or installation earth electrode arrangement	✓
b)	Earthing conductor and connections	✓
c)	Main protective bonding conductors and connections	✓
d)	Earthing/bonding labels at all appropriate locations	✓
3.2	Accessibility of:	
a)	Earthing conductor connections	✓
b)	All protective bonding connections	✓
3.3	FELV - requirements satisfied	
3.4	Reduced low voltage - requirements satisfied	✓

4.0 BASIC PROTECTION

4.1	Presence and adequacy of protective measures to provide basic protection	
a)	Insulation of live parts	✓
b)	Barriers or enclosures	✓
c)	Obstacles**	
d)	Placing out of reach**	

5.0 ADDITIONAL PROTECTION

5.1	The presence and effectiveness of additional protection methods used, as follows:	
a)	RCDs not exceeding 30 mA operating current	✓
b)	Supplementary bonding	✓

6.0 OTHER METHODS OF PROTECTION

(insert location in box provided)

The presence and effectiveness of other methods of protection against electric shock where used, as follows:

6.1	Basic and fault protection	LOCATION	
a)	SELV		✓
b)	PELV		
c)	Double insulation/Reinforced insulation		✓
d)	Electrical separation for one item of equipment		✓
6.2	Fault protection		
a)	Non-conducting location/Earth-free local equipotential bonding**		✓
b)	Electrical separation for more than one item of equipment**		✓

7.0 DISTRIBUTION EQUIPMENT

7.1	Adequacy of working space/accessibility	✓
7.2	Security of fixing	
7.3	Insulation of live parts not damaged during erection	✓
7.4	Adequacy / security of barriers	✓
7.5	Suitability of enclosures for IP and fire ratings	✓
7.6	Enclosures not damaged during installation	✓
7.7	Presence and effectiveness of obstacles	✓
7.8	Presence of main switch(es), linked where required	✓
7.9	Operation of main switch(es) (functional check)	✓
7.10	Operation of circuit-breakers and RCDs to prove functionality	✓
7.11	RCD(s) provided for fault protection, where specified	✓
7.12	RCD(s) provided for protection against fire	✓
7.13	RCD(s) provided for additional protection, where specified	✓
7.14	Confirmation overvoltage protection (SPDs) provided where specified	N/A
7.15	Confirmation of indication that SPD is functional	
7.16	Presence of RCD quarterly test notice at or near the origin	
7.17	Presence of diagrams, charts or schedules at or near each distribution board, where required	✓
7.18	Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required	
7.19	Presence of next inspection recommendation label	✓
7.20	Presence of other required labelling	✓
7.21	Selection of protective device(s) and base(s); correct type and rating	✓
7.22	Single-pole protective devices in line conductor only	✓
7.23	Protection against mechanical damage where cables enter equipment	✓
7.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures	
7.25	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓
8.0	CIRCUITS	
8.1	Identification of conductors	✓
8.2	Cables correctly supported throughout their length	✓
8.3	Examination of cables for signs of mechanical damage during installation	✓
8.4	Examination of insulation of live parts, not damaged during erection	✓

** For use in controlled supervised/conditions only

SCHEDULE OF ITEMS INSPECTED

† See note below

8.5	Non-sheathed cables protected by enclosure in conduit, ducting or trunking	
8.6	Suitability of containment systems (including flexible conduit)	✓
8.7	Correct temperature rating of cable insulation	✓
8.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
8.9	Adequacy of protective devices: type and rated current for fault protection	✓
8.10	Presence and adequacy of circuit protective conductors	✓
8.11	Coordination between conductors and overload protective devices	✓
8.12	Wiring systems and cable installation methods / practices appropriate to the type and nature of installation and external influences	✓
8.13	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	
	* installed in prescribed zones	✓
	* incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	✓
8.14	Provision of additional protection by RCDs having rated residual operating current ($I_{\Delta n}$) not exceeding 30 mA	
	a) for mobile equipment with a current rating not exceeding 32 A for use outdoors	
	b) For all socket-outlets of rating 20 A or less, unless exempt	✓
	c) For cables installed in walls/partitions at a depth of less than 50 mm	✓
	d) For cables installed in walls/partitions containing metal parts regardless of depth	✓
8.15	Provision of fire barriers, sealing arrangements so as to minimize the spread of fire	
8.16	Band II cables segregated/separated from Band I cables	✓
8.17	Cables segregated/separated from non-electrical services	✓
8.18	Termination of cables at enclosures	
	a) Connections under no undue strain	✓
	b) No basic insulation of a conductor visible outside enclosure	✓
	c) Connections of live conductors adequately enclosed	✓
	d) Adequately connected at point of entry to enclosure (glands, bushes etc.)	✓
8.19	Suitability of circuit accessories for external influences	✓
8.20	Circuit accessories not damaged during erection	✓
8.21	Single-pole devices for switching in line conductor only	✓
8.22	Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment	✓

9.0 ISOLATION AND SWITCHING

9.1	Isolators	
	a) Presence and location of appropriate devices	✓
	b) Capable of being secured in the OFF position	✓
	c) Correct operation verified (functional check)	✓
	d) The installation, circuit or part thereof that will be isolated is clearly identified by location and/or durable marking	✓
	e) Warning label posted in situations where live parts cannot be isolated by the operation of a single device	✓

9.2	Switching off for mechanical maintenance	
	a) Presence of appropriate devices	✓
	b) Acceptable location (state if local or remote)	Local ✓
	c) Capable of being secured in the OFF position	✓
	d) Correct operation verified (functional check)	✓
	e) The circuit or part thereof to be disconnected clearly identified by location and/or durable marking	✓

9.3	Emergency switching/stopping	
	a) Presence of appropriate devices	✓
	b) Readily accessible for operation where danger might occur	✓
	c) Correct operation verified (functional check)	✓
	d) The installation, circuit or part thereof to be disconnected, clearly identified by location and/or durable marking	✓

9.4	Functional switching	
	a) Presence of appropriate devices	✓
	b) Correct operation verified (functional check)	✓

10.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

10.1	Suitability of equipment in terms of IP and fire ratings	✓
10.2	Enclosure not damaged/deteriorated during installation so as to impair safety	✓
10.3	Suitability for the environment and external influences	✓
10.4	Security of fixing	✓
10.5	Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire	✓
10.6	Recessed luminaires (downlighters)	
	a) Correct type of lamps fitted	✓
	b) Installed to minimise build-up of heat	✓
10.7	Provision of undervoltage protection, where specified	
10.8	Provision of overload protection, where specified	✓
10.9	Adequacy of working space/accessibility to equipment	✓

11.0 SPECIAL INSTALLATIONS OR LOCATIONS

List below any Special Installations or Locations which are part of the installation to be verified, and confirm that the additional requirements given in the respective section of Part 7 are fulfilled.

12.0 OTHER

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

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

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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	FLAT ENTRANCE	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				
Distribution board designation:	CCU	Type: BS(EN)	N/A	Rating:	N/A	A	RCD No of poles:	N/A	$I_{\Delta n}$	N/A	mA

[illegible]

↑ 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

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1

* 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**


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:					
Characteristics at this distribution board											
N/A		Confirmation of supply polarity				Earth fault loop impedance	6111-754/071107/3190		RCD	6111-754/071107/3190	
* See note below											
Z _s	N/A	Ω	Operating times of associated	At I _{Δn}	N/A	ms	Insulation resistance	6111-754/071107/3190		Multi-function	N/A
I _{pr}	N/A	kA	RCD (if any)	At 5I _{Δn}	N/A	ms		6111-754/071107/3190		Other	N/A
Phase sequence confirmed (where appropriate)					N/A						

[illegible]

* 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:	31/05/2016

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This certificate is based on the model shown in Appendix 6 of BS7671
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See previous page for
Schedule of Circuit Details

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

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

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode:

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.

Page 1 of 1

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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Please see the 'Notes for Recipient on the reverse of this page.

Original (To the person ordering the work)

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 MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 7, GRENELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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 liability 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 liability 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 liability 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 liability 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.

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]		
		NICE/IC Enrolment No (where appropriate)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
DESIGN (2)	Organisation	†		
	Address:	[Redacted]		
		NICE/IC Enrolment No (where appropriate)	[Redacted]	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
CONSTRUCTION	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
		NICE/IC Enrolment No (Essential Information)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		
INSPECTION AND TESTING	Organisation	† R.J. Electrics		
	Address:	[Redacted]		
		NICE/IC Enrolment No (where appropriate)	22884	
		Branch number: (if applicable)	[Redacted]	
	Postcode:	[Redacted]		

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	Type 2
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$ 3.4 kA	Rated current 60 A
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.07 Ω	Short-circuit capacity 33 kA
IT N/A	Other	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

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> 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, $I_{\Delta n}$ Supply conductors csa 16 mm ² RCD operating time (at $I_{\Delta n}$) [*] ms	Maximum Demand (Load) 40 Amps Protective measures against electric shock: ADS Earthing and Protective Bonding Conductors <table border="1"> <tr> <th>Earthing conductor</th> <th>Main protective bonding conductors</th> <th>Bonding of extraneous-conductive parts (✓)</th> </tr> <tr> <td>Conductor material Copper</td> <td>Conductor material Copper</td> <td>Water service <input checked="" type="checkbox"/> Gas service <input checked="" type="checkbox"/></td> </tr> <tr> <td>Conductor csa 16 mm²</td> <td>Conductor csa 10 mm²</td> <td>Oil service N/A Structural steel N/A</td> </tr> <tr> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Lightning protection N/A Other incoming service(s) N/A</td> </tr> </table>	Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)	Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas service <input checked="" type="checkbox"/>	Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A	Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	Lightning protection N/A Other incoming service(s) N/A
Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)											
Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas service <input checked="" type="checkbox"/>											
Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A											
Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	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 additional 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'

ELECTRICAL INSTALLATION CERTIFICATE

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection

☒ Insulation of non-conducting floors or walls

☒ Polarity

☒ Earth fault loop impedance, Z_s

☐ N/A Verification of phase sequence

☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	FLAT ENTRANCE	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		
Distribution board designation:	CCU	Type: BS(EN)	N/A	Rating:	N/A	A	RCD No of poles:	N/A	I _{Δn}	N/A	mA

[illegible]

↑ 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**

Page 4 of 4

4

Original (To the person ordering the work)


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190	
N/A	Confirmation of supply polarity									
* See note below						Insulation resistance	6111-754/071107/3190	Other	N/A	
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A					ms
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Continuity	6111-754/071107/3190	Other	N/A

[illegible]

* 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

Page 5 of 5

A

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**See previous page for
Schedule of Circuit Details**

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 MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 8, GRENELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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 liability 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 liability 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 liability 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 liability 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.

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:			NICE/IC Enrolment No (where appropriate) 22884
	Postcode:		Branch number: (if applicable)	
DESIGN (2)	Organisation	†		
	Address:			NICE/IC Enrolment No (where appropriate)
	Postcode:		Branch number: (if applicable)	
CONSTRUCTION	Organisation	† R.J. Electrics		
	Address:			NICE/IC Enrolment No (Essential Information) 22884
	Postcode:		Branch number: (if applicable)	
INSPECTION AND TESTING	Organisation	† R.J. Electrics		
	Address:			NICE/IC Enrolment No (where appropriate) 22884
	Postcode:		Branch number: (if applicable)	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	Type 2
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$ 4.7 kA	Rated current 60 A
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.05 Ω	Short-circuit capacity 33 kA
IT N/A	Other	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

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> 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, $I_{\Delta n}$ Supply conductors csa 16 mm ² RCD operating time (at $I_{\Delta n}$) [*] ms	Maximum Demand (Load) 40 Amps Protective measures against electric shock: ADS Earthing and Protective Bonding Conductors <table border="1"> <tr> <th>Earthing conductor</th> <th>Main protective bonding conductors</th> <th>Bonding of extraneous-conductive parts (✓)</th> </tr> <tr> <td>Conductor material Copper</td> <td>Conductor material Copper</td> <td>Water service <input checked="" type="checkbox"/></td> </tr> <tr> <td>Conductor csa 16 mm²</td> <td>Conductor csa 10 mm²</td> <td>Gas Service <input checked="" type="checkbox"/></td> </tr> <tr> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Oil service N/A</td> </tr> <tr> <td></td> <td></td> <td>Structural steel N/A</td> </tr> <tr> <td></td> <td></td> <td>Lightning protection N/A</td> </tr> <tr> <td></td> <td></td> <td>Other incoming service(s) N/A</td> </tr> </table>	Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)	Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/>	Conductor csa 16 mm ²	Conductor csa 10 mm ²	Gas Service <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	Oil service N/A			Structural steel N/A			Lightning protection N/A			Other incoming service(s) N/A
Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)																				
Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/>																				
Conductor csa 16 mm ²	Conductor csa 10 mm ²	Gas Service <input checked="" type="checkbox"/>																				
Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	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 additional 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'

ELECTRICAL INSTALLATION CERTIFICATE

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection

☒ Insulation of non-conducting floors or walls

☒ Polarity

☒ Earth fault loop impedance, Z_s

☐ N/A Verification of phase sequence

☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	FLAT ENTRANCE	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				
Distribution board designation:	CCU	Type: BS(EN)	N/A	Rating:	N/A	A	RCD No of poles:	N/A	$I_{\Delta n}$	N/A	mA

[illegible]

↑ 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**

Page 4 of 4

4

Original (To the person ordering the work)

TMO10012809/41


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190	
N/A	Confirmation of supply polarity									
* See note below						Insulation resistance	6111-754/071107/3190	Other	N/A	
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A					ms
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Continuity	6111-754/071107/3190	Other	N/A

[illegible]

* 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

Page 5 of 5

A

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**See previous page for
Schedule of Circuit Details**

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

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

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode:

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.

Page 1 of 1

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

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

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 9, GRENFELL TOWER, LONDON

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode:

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.

Page 1 of 1

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

Original (To the person ordering the work)

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 MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 9, GRENELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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 liability 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 liability 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 liability 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 liability 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.

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. Electronics		
	Address:			NICE/IC Enrolment No (where appropriate) 22884
	Postcode:		Branch number: (if applicable)	
DESIGN (2)	Organisation	†		
	Address:			NICE/IC Enrolment No (where appropriate)
	Postcode:		Branch number: (if applicable)	
CONSTRUCTION	Organisation	† R.J. Electronics		
	Address:			NICE/IC Enrolment No (Essential Information) 22884
	Postcode:		Branch number: (if applicable)	
INSPECTION AND TESTING	Organisation	† R.J. Electronics		
	Address:			NICE/IC Enrolment No (where appropriate) 22884
	Postcode:		Branch number: (if applicable)	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors				Nature of Supply Parameters				Characteristics of Primary Supply Overcurrent Protective Device(s)	
TN-S	N/A	a.c.	<input checked="" type="checkbox"/>	d.c.	N/A	Nominal Voltage(s), U _n ⁽¹⁾	230 V	U ₀ ⁽¹⁾	230 V	BS(EN) BS 1361 Fuse HBC Domestic Type 2 Rated current 60 A Short-circuit capacity 33 kA
TN-C-S	<input checked="" type="checkbox"/>	1-phase (2 wire)	N/A	1-phase (3 wire)	<input checked="" type="checkbox"/>	2-pole	N/A	Nominal frequency, f ⁽¹⁾	50 Hz	
TN-C	N/A	2-phase (3 wire)	N/A	3-pole	N/A	Prospective fault current, I _p ⁽²⁾⁽³⁾	3.4 kA	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		
TT	N/A	3-phase (3 wire)	N/A	3-phase (4 wire)	N/A	External earth fault loop impedance, Z _e ⁽²⁾⁽³⁾	0.09 Ω			
IT	N/A	Other				Number of supplies	1			

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> Type: BS(EN) 60947-2 Voltage rating: 230 V No of Poles: 2 Rated current, I _n : 100 A Supply conductors material: Copper Supply conductors csa: 16 mm ² RCD operating current, I _{Δn} : RCD operating time (at I _{Δn}): ms			Maximum Demand (Load): 40 Amps Protective measures against electric shock: ADS		
Earthing and Protective Bonding Conductors Earthing conductor Conductor material: Copper Conductor csa: 16 mm ² Continuity/connection verified: <input checked="" type="checkbox"/>			Main protective bonding conductors Conductor material: Copper Conductor csa: 10 mm ² Continuity/connection verified: <input checked="" type="checkbox"/>		
Bonding of extraneous-conductive parts (✓) Water service: <input checked="" type="checkbox"/> Oil service: N/A Lightning protection: N/A Gas Service: <input checked="" type="checkbox"/> Structural steel: 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 additional 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'

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection
☒ Insulation of non-conducting floors or walls
☒ Polarity
☒ Earth fault loop impedance, Z_s
☐ N/A Verification of phase sequence
☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	FLAT ENTRANCE	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(E)N N/A				
Distribution board designation:	CCU	Type: BS(E)N	N/A	Rating:	N/A	A	RCD No of poles:	N/A	I _{Δn}	N/A	mA

[illegible]

↑ 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**

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Original (To the person ordering the work)

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION


TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/0711 07/3190	RCD	6111-754/0711 07/3190	
N/A	Confirmation of supply polarity									
<i>* See note below</i>						Insulation resistance	6111-754/0711 07/3190	Other	N/A	
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A					ms
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Continuity	6111-754/0711 07/3190	Other	N/A

[illegible]

* 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

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**

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

DETAILS OF THE CLIENT

Client / Address: RYDON MAINTENANCE, RYDON HOUSE, STATION ROAD, FOREST ROW, EAST SUSSEX Postcode: RH18 5DW

DETAILS OF THE INSTALLATION

Address: FLAT 10, GRENFELL TOWER, LONDON Postcode: W11 1TQ
 Extent of the installation covered by this certificate: COMPLETE ELECTRICAL INSTALLATION
 The installation is:
 New ☒
 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 liability of the signatory/signatories is limited to the work described above as the subject of this certificate.
 For the DESIGN of the installation:

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 liability 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 liability 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 liability 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:

Signature _____ Date 23/01/2016 Signature _____ Date 23/01/2016
 Name (CAPITALS) ANDREW BRIDGES Name (CAPITALS) DAN MOODIE
 Reviewed by
 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.

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]	
	NICE/IC Enrolment No (where appropriate)	22884	
	Branch number: (if applicable)	N/A	
	Postcode:	[Redacted]	
DESIGN (2)	Organisation †	N/A	
	Address:	N/A	
	NICE/IC Enrolment No (where appropriate)	N/A	
	Branch number: (if applicable)	N/A	
	Postcode:	N/A	
CONSTRUCTION	Organisation †	R.J. Electrics	
	Address:	[Redacted]	
	NICE/IC Enrolment No (Essential Information)	22884	
	Branch number: (if applicable)	N/A	
	Postcode:	[Redacted]	
INSPECTION AND TESTING	Organisation †	R.J. Electrics	
	Address:	[Redacted]	
	NICE/IC Enrolment No (where appropriate)	22884	
	Branch number: (if applicable)	N/A	
	Postcode:	[Redacted]	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S N/A	a.c. <input checked="" type="checkbox"/> d.c. N/A	Nominal Voltage(s): $U_0^{(1)}$ 230 V $U_0^{(1)}$ 230 V	BS(EN) BS 1361 Fuse HBC Domestic
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) N/A 1-phase (3 wire) <input checked="" type="checkbox"/> 2-pole N/A	Nominal frequency, $f^{(1)}$ 50 Hz	Type 2
TN-C N/A	2-phase (3 wire) N/A 3-pole N/A	Prospective fault current, $I_p^{(2)(3)}$ 4.7 kA	Rated current 60 A
TT N/A	3-phase (3 wire) N/A 3-phase (4 wire) N/A other N/A	External earth fault loop impedance, $Z_e^{(2)(3)}$ 0.05 Ω	Short-circuit capacity 33 kA
IT N/A	Other N/A	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

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> 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 <small>*(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small> 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 mm ² 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 <table border="1"> <tr> <th>Earthing conductor</th> <th>Main protective bonding conductors</th> <th>Bonding of extraneous-conductive parts (✓)</th> </tr> <tr> <td>Conductor material Copper</td> <td>Conductor material Copper</td> <td>Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/></td> </tr> <tr> <td>Conductor csa 16 mm²</td> <td>Conductor csa 10 mm²</td> <td>Oil service N/A Structural steel N/A</td> </tr> <tr> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Continuity/connection verified <input checked="" type="checkbox"/></td> <td>Lightning protection N/A Other incoming service(s) N/A</td> </tr> </table>	Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)	Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/>	Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A	Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	Lightning protection N/A Other incoming service(s) N/A
Earthing conductor	Main protective bonding conductors	Bonding of extraneous-conductive parts (✓)											
Conductor material Copper	Conductor material Copper	Water service <input checked="" type="checkbox"/> Gas Service <input checked="" type="checkbox"/>											
Conductor csa 16 mm ²	Conductor csa 10 mm ²	Oil service N/A Structural steel N/A											
Continuity/connection verified <input checked="" type="checkbox"/>	Continuity/connection verified <input checked="" type="checkbox"/>	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 additional 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.

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 supplementary 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 impedance, 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 separation of circuits

☒ Basic protection by barrier or enclosure provided during erection

☒ Insulation of non-conducting floors or walls

☒ Polarity

☒ Earth fault loop impedance, Z_s
☐ N/A Verification of phase sequence

☒ Operation of residual 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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SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*									
Location of distribution board:	FLAT ENTRANCE	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				
Distribution board designation:	CCU	Type: BS(EN)	N/A	Rating:	N/A	A	RCD No of poles:	N/A	$I_{\Delta n}$	N/A	mA

[illegible]

↑ 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

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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**

Original (To the person ordering the work)


SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	6111-754/071107/3190	RCD	6111-754/071107/3190	
N/A	Confirmation of supply polarity									
* See note below						Insulation resistance	6111-754/071107/3190	Other	N/A	
Z _S	N/A	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A					ms
I _{pr}	N/A	kA		At 5I _{Δn}	N/A	ms	Continuity	6111-754/071107/3190	Other	N/A

[illegible]

* 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**

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

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, GRENELL TOWER, LONDON

The system is

New ☒

Postcode: W11 1TQ

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	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	<input checked="" type="checkbox"/>	LD3	N/A	PD1	N/A	PD2	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	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Routine testing of the system	<input checked="" type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input checked="" type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input checked="" type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input checked="" type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input checked="" type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input checked="" type="checkbox"/>	As-fitted drawing	<input checked="" type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input checked="" type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input checked="" type="checkbox"/>	*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:

This certificate has been reviewed by the Qualified Supervisor:

Signature:  Date: 30/01/2016

Signature:  Date: 30/01/2016

Name (CAPITALS) ANDREW BRIDGES

Name (CAPITALS) DAN MOODIE

DETAILS OF THE APPROVED CONTRACTOR

Trading Title RJ Electrics Ltd

Address

Postcode

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.

Page 1 of 1

This form is based on the model in Annex F of BS 5839: Part 6: 2013
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Please see the 'Notes for Recipient on the reverse of this page.

Original (To the person ordering the work)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

Details of departures, if any, from BS 7671 (as amended)

N/A

Location/address of the minor works

FLAT 11
GRENELL 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.59 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.60 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **06/10/2015**

Date **06/10/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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

Part P ref **N/A**

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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.46 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.49	Ω
† Line/Line > 299 $M\Omega$			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Neutral > 299 $M\Omega$			† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth > 299 $M\Omega$					
† Neutral/Earth > 299 $M\Omega$					

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **10/08/2015**

Date **30/10/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 1.05 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.60 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth 982 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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

Signature  Signature  Address 

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **13/08/2015** Date



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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

Part P ref **N/A**

Details of departures, if any, from BS 7671 (as amended)

N/A

Location/address of the minor works

**FLAT 12
GRENELL 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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.59 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.30	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **13/08/2015**

Date **30/10/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 1.01 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.46 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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**

Signature 

Position **TESTER**

Date **17/09/2015**

Name (CAPITALS) **DAN MOODIE**

Signature 

Position **QUALIFIED SUPERVISOR**

Date

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

Address



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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

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

Part P ref N/A

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_{Δn}

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

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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance R ₁ + R ₂ N/A Ω or R ₂ 0.54 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A MΩ			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z _s 0.27 Ω		
Line/Neutral > 299 MΩ			† RCD operating time at I _{Δn} (if RCD fitted) N/A ms		
† Line/Earth > 299 MΩ			RCD operating time at 5I _{Δn} if applicable N/A ms		
† Neutral/Earth > 299 MΩ					




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		Signature	
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 	



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.82 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.46	Ω
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
† Neutral/Earth > 299 M Ω					

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **21/08/2015**

Date



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

Details of departures, if any, from BS 7671 (as amended)

N/A

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

Part P ref **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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.52 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.34	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **21/08/2015**

Date **30/10/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 2.8 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	1.14	Ω
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
† Neutral/Earth > 299 M Ω					

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**

Signature 

Position **TESTER**

Date **14/08/2015**

Name (CAPITALS) **DAN MOODIE**

Signature 

Position **QUALIFIED SUPERVISOR**

Date

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

Address



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

Details of departures, if any, from BS 7671 (as amended)

N/A

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

Part P ref **N/A**

Location/address of the minor works

**FLAT 15
GRENELL 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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.52 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.61	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 64.3	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **14/08/2015**

Date **30/10/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **19/11/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 16
GRENFELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.96 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	N/A	Ω
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
† Neutral/Earth > 299 M Ω					

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

Signature  Signature  Address 

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **26/08/2015** Date **26/08/2015**



Enrolment Number **22884**

Branch number (if applicable) **N/A**

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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

Part P ref **N/A**

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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.59 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	N/A	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

Details of departures, if any, from BS 7671 (as amended)

N/A

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

Part P ref **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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.54 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.57	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **29/08/2012**

Date **29/08/2012**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.59 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.65 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth 0.34 M Ω					

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

Signature  Signature  Address 

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **17/08/2015** Date



Enrolment Number **22884**

Branch number (if applicable) **N/A**

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 1.01 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.43	Ω
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
† Neutral/Earth > 299 M Ω					

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**

Signature 

Position **TESTER**

Date **24/08/2015**

Name (CAPITALS) **DAN MOODIE**

Signature 

Position **QUALIFIED SUPERVISOR**

Date **06/10/2015**

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

Address



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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

Part P ref **N/A**

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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.58 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.30	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/08/2015**

Date **30/10/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

Details of departures, if any, from BS 7671 (as amended)

N/A

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

Part P ref **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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.50 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.66	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **12/06/2013**

Date **12/06/2013**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.85 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.60 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth 0.34 M Ω					

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

Signature *R.H.* Signature *D.M.* Address

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **04/09/2015** Date



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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

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

Part P ref N/A

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_{Δn}

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

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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance R ₁ + R ₂ N/A Ω or R ₂ 0.057 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A MΩ			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z _s 0.60 Ω		
Line/Neutral > 299 MΩ			† RCD operating time at I _{Δn} (if RCD fitted) N/A ms		
† Line/Earth > 299 MΩ			RCD operating time at 5I _{Δn} if applicable N/A ms		
† Neutral/Earth > 299 MΩ					

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

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature

[Signature]

Signature

[Signature]

Address

Position

TESTER

Position

QUALIFIED SUPERVISOR

Date

05/07/2013

Date

05/07/2013



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.95 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.67	Ω
Line/Neutral N/A M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
† Neutral/Earth > 299 M Ω					

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

Signature *[Signature]* Signature *[Signature]* Address **[Redacted]**

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **03/09/2015** Date **30/10/2015**



Enrolment Number **22884**

Branch number (if applicable) **N/A**

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.61	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.64	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
			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 **1**

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **16/01/2016**

Date **16/01/2016**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 1.15 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.61 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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**

Signature 

Position **TESTER**

Date **10/08/2015**

Name (CAPITALS) **DAN MOODIE**

Signature 

Position **QUALIFIED SUPERVISOR**

Date **30/10/2015**

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

Address



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

Details of departures, if any, from BS 7671 (as amended)

N/A

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

Part P ref **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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.71 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.45	Ω
Line/Line	> 299	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 299	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth	> 299	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date

Date



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 33
GRENELL 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_{Δn}

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)				
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	MΩ	Line/Earth	> 299 MΩ
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	MΩ	Neutral/Earth	> 299 MΩ
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at I _{Δn} (if RCD fitted)			N/A	ms
Circuit resistance (R ₁ + R ₂) N/A Ω			RCD operating time at 5I _{Δn} if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z _s		0.33 Ω	Test button operation satisfactory			×	<input checked="" type="checkbox"/>

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **27/08/2015**

Date **27/08/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.59 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.60 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **20/08/2015**

Date **30/10/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 34
GRENELL 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 M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
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 0.45 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
Maximum measured earth fault loop impedance, Z_s 0.43 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.

*2015

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

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **30/10/2015**

Date **30/10/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)				
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω	Line/Earth	> 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299	M Ω	Neutral/Earth	> 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)				26.1 ms
Circuit resistance $(R_1 + R_2)$ 0.6 Ω or R_2 N/A Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable				12.1 ms
Maximum measured earth fault loop impedance, Z_s	0.27	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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **30/10/2015**

Date **30/10/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S



TN-S



TT



TN-C



IT



Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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_{Δn}

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 (R₁ + R₂)

0.9

Ω

or

R₂

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_{Δn} (if RCD fitted)

16.8

ms

RCD operating time at 5I_{Δn} 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

1

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.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28.2	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 1.34 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	12.1	ms
Maximum measured earth fault loop impedance, Z_s 0.69 Ω			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

1

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**

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **30/10/2015**

Date **30/10/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 1.42 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	17	ms
Maximum measured earth fault loop impedance, Z_s 0.77 Ω			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

1

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**

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **17/11/2015**

Date **17/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.75 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	17	ms
Maximum measured earth fault loop impedance, Z_s 0.52 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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **17/11/2015**

Date **17/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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

M Ω

Line/Earth

> 3.51

M Ω

Line/Neutral

> 1.01

M Ω

Neutral/Earth

> 3.42

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **18/11/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 44
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)	
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.74 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	16 ms
Maximum measured earth fault loop impedance, Z_s 0.44 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	23	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 1.28 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	10	ms
Maximum measured earth fault loop impedance, Z_s 0.64 Ω			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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**

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **17/11/2015**

Date **17/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 45
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 1.04 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	14	ms
Maximum measured earth fault loop impedance, Z_s 0.57 Ω			Test button operation satisfactory	x	<input checked="" type="checkbox"/>

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **22/11/2015**

Date **22/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

Test button operation satisfactory

x

☒

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.8 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	16 ms
Maximum measured earth fault loop impedance, Z_s 0.63 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)	
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.43 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	13 ms
Maximum measured earth fault loop impedance, Z_s 0.60 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)	
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.95 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	15 ms
Maximum measured earth fault loop impedance, Z_s 0.58 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.83 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.44 Ω			RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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_{Δn}

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 (R₁ + R₂)

N/A

Ω

or

R₂

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_{Δn} (if RCD fitted)

26

ms

RCD operating time at 5I_{Δn} 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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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 5ZK

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 55
GRENELL 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_{Δn}

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 _{Δn} (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 _{Δn} if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z _s	0.49	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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **22/11/2015**

Date **22/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 UNIT FOR EXTRACT FAN IN KITCHEN.

Location/address of the minor works

FLAT 56
GRENELL 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	M Ω	Line/Earth	> 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299	M Ω	Neutral/Earth	> 299 M Ω
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 0.84 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z_s 0.36 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

1

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 UNIT IN KITCHEN FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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_{Δn}

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 _{Δn} (if RCD fitted)	28	ms
Circuit resistance (R ₁ + R ₂) N/A Ω or R ₂ 1.57 Ω			RCD operating time at 5I _{Δn} if applicable	12	ms
Maximum measured earth fault loop impedance, Z _s 0.75 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

1

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.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

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

22/11/2015

Date

22/11/2015

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Address





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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

1

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.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.49 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	11	ms
Maximum measured earth fault loop impedance, Z_s 0.29 Ω			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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**

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **22/11/2015**

Date **22/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 63
GRENELL 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_{Δn}

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 _{Δn} (if RCD fitted)			N/A	ms
Circuit resistance (R ₁ + R ₂) N/A Ω			RCD operating time at 5I _{Δn} 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

1

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.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.63	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	34	ms
Maximum measured earth fault loop impedance, Z_s	0.42	Ω	RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **13/12/2015**

Date **13/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.4 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	9	ms
Maximum measured earth fault loop impedance, Z_s 0.44 Ω			Test button operation satisfactory	x	<input checked="" type="checkbox"/>

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **22/11/2015**

Date **22/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **22/10/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 72
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	ms
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.70 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	12	ms
Maximum measured earth fault loop impedance, Z_s 0.65 Ω			Test button operation satisfactory	x	<input checked="" type="checkbox"/>

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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **22/11/2015**

Date **22/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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_{Δn}

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 _{Δn} (if RCD fitted)	29	ms
Circuit resistance (R ₁ + R ₂) N/A Ω or R ₂ 0.48 Ω			RCD operating time at 5I _{Δn} if applicable	13	ms
Maximum measured earth fault loop impedance, Z _s 0.48 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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **22/11/2015**

Date **22/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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_{Δn}

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 (R₁ + R₂)

N/A

Ω

or

R₂

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_{Δn} (if RCD fitted)

30

ms

RCD operating time at 5I_{Δn} 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

1

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.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 76
GRENELL 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_{Δn}

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance <i>(In a polyphase circuit, record the lower or lowest value, as appropriate)</i>				
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	MΩ	Line/Earth	> 299 MΩ
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	MΩ	Neutral/Earth	> 299 MΩ
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at I _{Δn} (if RCD fitted)			N/A	ms
Circuit resistance (R ₁ + R ₂) N/A Ω			R ₂ 0.93 Ω			RCD operating time at 5I _{Δn} if applicable	N/A ms
Maximum measured earth fault loop impedance, Z _s			0.54 Ω			Test button operation satisfactory	× <input checked="" type="checkbox"/>

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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_{Δn}

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 _{Δn} (if RCD fitted)	30	ms
Circuit resistance (R ₁ + R ₂) N/A Ω or R ₂ 0.76 Ω			RCD operating time at 5I _{Δn} if applicable	12	ms
Maximum measured earth fault loop impedance, Z _s 0.68 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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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.

Location/address of the minor works

FLAT 82
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	38 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.41 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	18 ms
Maximum measured earth fault loop impedance, Z_s 0.90 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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_{Δn}

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)				
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	MΩ	Line/Earth	> 299 MΩ
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	MΩ	Neutral/Earth	> 299 MΩ
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at I _{Δn} (if RCD fitted)			28	ms
Circuit resistance (R ₁ + R ₂) N/A Ω			RCD operating time at 5I _{Δn} if applicable			10	ms
Maximum measured earth fault loop impedance, Z _s	0.45	Ω	Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

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**

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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

1

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.

Signature

D.M.

Position

TESTER

Position

QUALIFIED SUPERVISOR

Date

Date

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Address



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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_{Δn}

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 _{Δn} (if RCD fitted)			N/A	ms
Circuit resistance (R ₁ + R ₂) N/A Ω			RCD operating time at 5I _{Δn} if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z _s	0.77	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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 IN THE KITCHEN FOR EXTRACT FAN.

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_{Δn}

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 _{Δn} (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 _{Δn} 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

1

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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_{Δn}

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
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	MΩ
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	MΩ
Circuit resistance (R ₁ + R ₂)	N/A	Ω	Neutral/Earth	> 299	MΩ
Maximum measured earth fault loop impedance, Z _s	0.37	Ω	RCD operating time at I _{Δn} (if RCD fitted)	28	ms
			RCD operating time at 5I _{Δn} 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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.47	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
Maximum measured earth fault loop impedance, Z_s	0.29	Ω	RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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_{Δn}

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 _{Δn} (if RCD fitted)	26	ms
Circuit resistance (R ₁ + R ₂) N/A Ω	or	R ₂ 0.83 Ω	RCD operating time at 5I _{Δn} if applicable	7	ms
Maximum measured earth fault loop impedance, Z _s	0.49	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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.90	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
Maximum measured earth fault loop impedance, Z_s	0.45	Ω	RCD operating time at $5I_{\Delta n}$ if applicable	18	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **30/12/2015**

Date **30/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 0.01

M Ω

Neutral/Earth

> 299

M 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

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance $(R_1 + R_2)$ N/A Ω	or	R_2 0.71 Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.57	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.50 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.53 Ω			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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.7	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36	ms
Maximum measured earth fault loop impedance, Z_s	0.27	Ω	RCD operating time at $5I_{\Delta n}$ if applicable	17	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5XZ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client RYDON MAINTENANCE

Date minor works completed 27/11/2015

Part P ref N/A

Location/address of the minor works

FLAT 101
GRENELL TOWER

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.75 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.42 Ω			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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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 5ZK

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

0.55

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 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_{Δn}

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
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	4.13	MΩ
Confirmation of correct polarity	✓	(✓)	Line/Neutral	0.14	MΩ
Circuit resistance (R ₁ + R ₂) N/A Ω	or	R ₂ 0.90 Ω	Neutral/Earth	5.07	MΩ
Maximum measured earth fault loop impedance, Z _s	0.65	Ω	RCD operating time at I _{Δn} (if RCD fitted)	32	ms
			RCD operating time at 5I _{Δn} 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

1

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance $(R_1 + R_2)$ N/A Ω	or	R_2 0.55 Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.51	Ω	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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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 104
GRENELL 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_{Δn}

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 _{Δn} (if RCD fitted)	N/A	ms
Circuit resistance (R ₁ + R ₂) N/A Ω or R ₂ 0.83 Ω			RCD operating time at 5I _{Δn} if applicable	N/A	ms
Maximum measured earth fault loop impedance, Z _s 0.27 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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **24/11/2015**

Date **24/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

0.76

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **26/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 105
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

$M\Omega$

Line/Earth

0

$M\Omega$

Line/Neutral

33.9

$M\Omega$

Neutral/Earth

35.2

$M\Omega$

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

1

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.

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

*N/A

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **26/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 105
GRENELL TOWER**

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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 $M\Omega$	Line/Earth	> 299 $M\Omega$
Line/Neutral	> 299 $M\Omega$	Neutral/Earth	> 299 $M\Omega$
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		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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


***N/A**

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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** **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 **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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.97 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.36	Ω
† Line/Line > 299 $M\Omega$			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Neutral > 299 $M\Omega$			RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth > 299 $M\Omega$					
† Neutral/Earth > 299 $M\Omega$					

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

Signature **[Signature]** Signature **[Signature]** Address **[Redacted]**

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **10/09/2015** Date **[Redacted]**



Enrolment Number **22884**

Branch number (if applicable) **N/A**

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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

Part P ref **N/A**

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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.55 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.28	Ω
Line/Line	0.13	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	9.99	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 299	$M\Omega$			
† Neutral/Earth					

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

[Signature]

Signature

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	36 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.93 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	17 ms
Maximum measured earth fault loop impedance, Z_s 0.73 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.01	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.25	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **14/09/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 113
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.45	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.32	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **13/12/2015**

Date **13/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.90 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	16 ms
Maximum measured earth fault loop impedance, Z_s 0.60 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

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 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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.84	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	26	ms
Maximum measured earth fault loop impedance, Z_s	0.25	Ω	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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S



TN-S



TT



TN-C



IT



Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.79 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.24 Ω			RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

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 121
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.27	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
			RCD operating time at 5 $I_{\Delta n}$ if applicable	11	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.


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

*2015

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZD

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	N/A	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	N/A	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	N/A	M Ω
or R_2	0.82	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)		
Maximum measured earth fault loop impedance, Z_s	0.65	Ω	RCD operating time at $5I_{\Delta n}$ if applicable		
			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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A MΩ	Line/Earth > 299 MΩ
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 MΩ	Neutral/Earth > 299 MΩ
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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 0.68 Ω			RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
Maximum measured earth fault loop impedance, Z_s 0.65 Ω			Test button operation satisfactory	x	<input checked="" type="checkbox"/>

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 **1**

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.

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


***2015**

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **16/01/2016**

Date **16/01/2016**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **25/09/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 123
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **17/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 124
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 124
GRENELL 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

0.44

Ω

Insulation resistance

(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line

N/A

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.88	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.65	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

1

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

**FLAT 125
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	MΩ
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	MΩ
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	MΩ
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.57 Ω			Neutral/Earth	> 299	MΩ
Maximum measured earth fault loop impedance, Z_s 0.56 Ω			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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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


***2015**

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **13/12/2015**

Date **13/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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

M Ω

Line/Earth

N/A

M Ω

Line/Neutral

N/A

M Ω

Neutral/Earth

N/A

M 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

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.65	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 UNIT FOR KITCHEN EXTRACT.

Location/address of the minor works

FLAT 132
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A M Ω	Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 M Ω	Neutral/Earth > 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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 0.70 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	N/A	ms
Maximum measured earth fault loop impedance, Z_s 0.32 Ω			Test button operation satisfactory	x	<input checked="" type="checkbox"/>

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **27/08/2015**

Date **27/08/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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**

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 133
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	0.05	M Ω
Circuit resistance $(R_1 + R_2)$ N/A Ω or R_2 0.59 Ω			Neutral/Earth	> 299	M Ω
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
			Test button operation satisfactory	x	<input checked="" type="checkbox"/>

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

1

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **27/08/2015**

Date **27/08/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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_{Δn}

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 _{Δn} (if RCD fitted)			N/A	ms
Circuit resistance (R ₁ + R ₂) N/A Ω or R ₂	0.82	Ω	RCD operating time at 5I _{Δn} if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z _s	0.38	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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **27/08/2015**

Date **27/08/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

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 134
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

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 **1**

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

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 135
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.51	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	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 **1**

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

N/A

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 135
GRENELL 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

0.66

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **26/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 136
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.1.09 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.68 Ω		
Line/Neutral > 0.05 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 0.34 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 0.35 M Ω					

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

Signature *[Signature]* Signature *[Signature]* Address **[Redacted]**

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **13/08/2015** Date **13/08/2015**



Enrolment Number **22884**

Branch number (if applicable) **N/A**

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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

Part P ref **N/A**

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

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.41 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.75	Ω
Line/Line	> 289	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	> 289	$M\Omega$	† RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	> 289	$M\Omega$			
† Neutral/Earth	> 33.9	$M\Omega$			

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **13/08/2015**

Date **13/08/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **28/11/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 142
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **12/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 143
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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

12/08/2015

Date

12/08/2015

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Address

[Redacted Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **12/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 144
GRENELL TOWER**

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

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

N/A

Insulation resistance

(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line

N/A

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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

☒

☒

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 **1**

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.

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

***N/A**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	1.07	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.71	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	ms
			RCD operating time at 5 $I_{\Delta n}$ if applicable	11	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **13/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 145
GRENELL TOWER**

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

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

0.54

Ω

Insulation resistance

(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line

N/A

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

33.9

M Ω

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 **1**

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.

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

***2015**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.84 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	15 ms
Maximum measured earth fault loop impedance, Z_s 0.43 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

1

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.

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

*2051

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

DM

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

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 151
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S



TN-S



TT



TN-C



IT



Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.65 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.43 Ω			RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	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

1

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **30/12/2015**

Date **30/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.33	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*2015

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	M Ω	Line/Earth > 299 M Ω
Line/Neutral	> 299	M Ω	Neutral/Earth > 299 M Ω
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			<input checked="" type="checkbox"/>

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.


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

*2015

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 153
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.55 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	14 ms
Maximum measured earth fault loop impedance, Z_s 0.34 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

1

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

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 154
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.73	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.60	Ω	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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZS

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.71	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	28	ms
Maximum measured earth fault loop impedance, Z_s	0.53	Ω	RCD operating time at 5 $I_{\Delta n}$ if applicable	9	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*N/A

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **03/11/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 156
GRENELL TOWER**

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

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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	<input checked="" type="checkbox"/>	(✓)	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.83 Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	(✓)
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.41	Ω
Line/Line	0.05	$M\Omega$	† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
Line/Neutral	0.37	$M\Omega$	RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth	0.33	$M\Omega$			
† Neutral/Earth					

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

Signature  Signature  Address 

Position **TESTER** Position **QUALIFIED SUPERVISOR**

Date **20/08/2015** Date **20/08/2015**



Enrolment Number **22884**

Branch number (if applicable) **N/A**

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

Description of the Minor works **ADDITION OF FUSED SPUR FOR EXTRACT FAN.** Part P ref **N/A**

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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.48 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.42 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at $5I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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**

Signature 

Position **TESTER**

Date **20/08/2015**

Name (CAPITALS) **DAN MOODIE**

Signature 

Position **QUALIFIED SUPERVISOR**

Date **20/08/2015**

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

Address



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **28/11/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 162
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

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

N/A

Insulation resistance

(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line

N/A

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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



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 **1**

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.

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

***2015**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S

☒

TN-S

☐

TT

☐

TN-C

☐

IT

☐

Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **24/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 163
GRENfell TOWER**

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

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

0.25

Ω

Insulation resistance

(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line

N/A

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **21/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 164
GRENELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S



TN-S



TT



TN-C



IT



Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.46 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.75 Ω			RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	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:

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

1

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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_{Δn} 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

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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance R ₁ + R ₂ N/A Ω or R ₂ 0.12 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A MΩ			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z _s 0.60 Ω		
Line/Neutral > 299 MΩ			† RCD operating time at I _{Δn} (if RCD fitted) N/A ms		
† Line/Earth > 299 MΩ			RCD operating time at 5I _{Δn} if applicable N/A ms		
† Neutral/Earth 58.5 MΩ					

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **14/08/2015**

Date **14/08/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

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 166
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)				
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω	Line/Earth	> 299 M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω	Neutral/Earth	> 299 M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)			30	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 1.00 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable			13	ms
Maximum measured earth fault loop impedance, Z_s 0.44 Ω			Test button operation satisfactory			<input checked="" type="checkbox"/>	

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.

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

*2015

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 and Postcode



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

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**

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S



TN-S



TT



TN-C



IT



Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A MΩ	Line/Earth > 299 MΩ
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299 MΩ	Neutral/Earth > 299 MΩ
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.55 Ω			RCD operating time at $5I_{\Delta n}$ if applicable	12	ms
Maximum measured earth fault loop impedance, Z_s 0.36 Ω			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

***2015**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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 171
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 171
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.83 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	16 ms
Maximum measured earth fault loop impedance, Z_s 0.64 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

1

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.

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

*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

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 172
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.84 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	12 ms
Maximum measured earth fault loop impedance, Z_s 0.66 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **10/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 172
GRENELL TOWER**

Description of the Minor works

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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

$M\Omega$

Line/Earth

> 299

$M\Omega$

Line/Neutral

> 299

$M\Omega$

Neutral/Earth

> 299

$M\Omega$

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 **1**

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.

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

***2015**

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **30/09/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 173
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **09/12/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 174
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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.

Location/address of the minor works

FLAT 175
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth 87.5 M Ω
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 0.85 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	12 ms
Maximum measured earth fault loop impedance, Z_s 0.46 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 175
GRENELL 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.55 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.43 Ω			RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
			RCD operating time at 5 $I_{\Delta n}$ if applicable	13	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **28/11/2015**

Date **28/11/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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.** Part P ref **N/A**

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 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 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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 0.89 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A M Ω			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s 0.43 Ω		
Line/Neutral > 299 M Ω			† RCD operating time at $I_{\Delta n}$ (if RCD fitted) N/A ms		
† Line/Earth > 299 M Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable N/A ms		
† Neutral/Earth > 299 M Ω					

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**

Signature 

Position **TESTER**

Date **25/08/2015**

Name (CAPITALS) **DAN MOODIE**

Signature 

Position **QUALIFIED SUPERVISOR**

Date **25/08/2015**

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

Address



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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

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

Part P ref N/A

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_{Δn}

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

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	✓	(✓)	† Confirmation of the adequacy of earthing	✓	(✓)
† Circuit resistance R ₁ + R ₂ N/A Ω or R ₂ 0.58 Ω			† Confirmation of the adequacy of equipotential bonding	✓	(✓)
Insulation resistance Line/Line N/A MΩ			† Confirmation of correct polarity	✓	(✓)
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z _s 0.65 Ω		
Line/Neutral > 299 MΩ			† RCD operating time at I _{Δn} (if RCD fitted) N/A ms		
† Line/Earth > 299 MΩ			RCD operating time at 5I _{Δn} if applicable N/A ms		
† Neutral/Earth > 299 MΩ					

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

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Signature

[Signature]

Signature

[Signature]

Position

TESTER

Position

QUALIFIED SUPERVISOR

Date

25/08/2015

Date

25/08/2015

Address



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

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

To be used only for minor electrical work 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**

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 181
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
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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	† Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
† Circuit resistance $R_1 + R_2$ N/A Ω or R_2 N/A Ω			† Confirmation of the adequacy of equipotential bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Insulation resistance N/A $M\Omega$			† Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(* In a multi-phase circuit, record the lower or lowest value, as appropriate)			† Maximum measured earth fault loop impedance, Z_s	0.26	Ω
† Line/Line N/A $M\Omega$			† RCD operating time at $I_{\Delta n}$ (if RCD fitted)	N/A	ms
† Line/Neutral N/A $M\Omega$			RCD operating time at $5I_{\Delta n}$ if applicable	N/A	ms
† Line/Earth N/A $M\Omega$					
† Neutral/Earth N/A $M\Omega$					

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**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **25/08/2015**

Date **25/08/2015**



Enrolment Number **22884**

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*N/A

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **04/11/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 183
GRENELL TOWER**

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

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

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 184
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

Details of departures, if any, from BS 7671 (as amended)

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

PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements

TN-C-S



TN-S



TT



TN-C



IT



Protective measure(s) against electric shock

ADS

Overcurrent protective device for the 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.62 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.53 Ω			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

1

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.

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

*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **05/12/2015**

Date **05/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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**

Details of departures, if any, from BS 7671 (as amended)

A ring final circuit having a discontinuous conductor

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 185
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M 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

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.

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

*2015

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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**

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 186
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.36	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	30	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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.65 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	8 ms
Maximum measured earth fault loop impedance, Z_s 0.66 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 191
GRENELL 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 M Ω	Line/Earth > 200 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 97.6 M Ω	Neutral/Earth > 62.8 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.39 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	10	ms
Maximum measured earth fault loop impedance, Z_s 0.68 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

1

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.

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

*N/A

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **05/12/2015**

Date **05/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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.

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

*N/A

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





Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **29/10/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 193
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*N/A

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)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.36	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

Position

TESTER

Position

QUALIFIED SUPERVISOR

Date

Date

For and on behalf of (Trading title of approved contractor)

R.J. Electrics

Address



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

Location/address of the minor works

FLAT 194
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.69 Ω			Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s 0.34 Ω			RCD operating time at $I_{\Delta n}$ (if RCD fitted)	32	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

1

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.

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

*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **20/12/2015**

Date **20/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **20/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 195
GRENfell TOWER**

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.

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

$M\Omega$

Line/Earth

23.9

$M\Omega$

Line/Neutral

> 299

$M\Omega$

Neutral/Earth

30.4

$M\Omega$

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 **1**

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.

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

***2015**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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 M Ω Line/Earth > 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299 M Ω Neutral/Earth > 299 M Ω
Confirmation of correct polarity	✓	(✓)	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	31 ms
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2 0.51 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable	10 ms
Maximum measured earth fault loop impedance, Z_s 0.31 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.75	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	29	ms
Maximum measured earth fault loop impedance, Z_s	0.39	Ω	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

1

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **05/12/2015**

Date **05/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$) N/A Ω or R_2	0.46	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.38	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	33	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

1

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.

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


*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **05/12/2015**

Date **05/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **23/10/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 202
GRENELL TOWER**

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.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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

1

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.

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

***N/A**

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature



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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **27/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 203
GRENFELL TOWER**

Description of the Minor works

EXTENSION OF RING CIRCUIT TO ADD 2 NO. FUSED SPUR UNITS FOR NEW HEATING INTERFACE UNIT AND WATER METER.

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

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

***2015**

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZS

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client **RYDON MAINTENANCE**

Date minor works completed **27/08/2015**

Part P ref **N/A**

Location/address of the minor works

**FLAT 203
GRENfell TOWER**

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

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

0.31

Ω

Insulation resistance

(In a polyphase circuit, record the lower or lowest value, as appropriate)

Line/Line

N/A

M Ω

Line/Earth

> 299

M Ω

Line/Neutral

> 299

M Ω

Neutral/Earth

> 299

M Ω

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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

[Signature]

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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 204
GRENELL 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	M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Earth	> 299	M Ω
Confirmation of correct polarity	✓	(✓)	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
Maximum measured earth fault loop impedance, Z_s	0.30	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	27	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 **1**

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZJ

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

ADDITION OF FUSED SPUR FOR EXTRACT FAN

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	✓	(✓)	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)				
Confirmation of the adequacy of earthing	✓	(✓)	Line/Line	N/A	M Ω	Line/Earth	> 299 M Ω
Confirmation of the adequacy of protective bonding	✓	(✓)	Line/Neutral	> 299	M Ω	Neutral/Earth	> 299 M Ω
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 0.41 Ω			RCD operating time at 5 $I_{\Delta n}$ if applicable			N/A	ms
Maximum measured earth fault loop impedance, Z_s 0.37 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

1

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.

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

*2015

Name (CAPITALS)

RICHARD HAMILTON

Name (CAPITALS)

DAN MOODIE

Signature

R.H.

Signature

D.M.

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 Address]



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Insulation resistance (In a polyphase circuit, record the lower or lowest value, as appropriate)		
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Line	N/A	M Ω
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Earth	> 299	M Ω
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Line/Neutral	> 299	M Ω
Circuit resistance ($R_1 + R_2$)	N/A	Ω	Neutral/Earth	> 299	M Ω
or R_2	0.68	Ω	RCD operating time at $I_{\Delta n}$ (if RCD fitted)	35	ms
Maximum measured earth fault loop impedance, Z_s	0.37	Ω	RCD operating time at 5 $I_{\Delta n}$ if applicable	16	ms
			Test button operation satisfactory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 **1**

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.

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

*2015

Name (CAPITALS) **RICHARD HAMILTON**

Name (CAPITALS) **DAN MOODIE**

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

Signature 

Signature 

Address

Position **TESTER**

Position **QUALIFIED SUPERVISOR**

Date **20/12/2015**

Date **20/12/2015**



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor
Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5XZ

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

Details of departures, if any, from BS 7671 (as amended)

N/A

Client RYDON MAINTENANCE

Date minor works completed 14/09/2015

Part P ref N/A

Location/address of the minor works

FLAT 206
GRENELL TOWER

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

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of the adequacy of earthing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of the adequacy of protective bonding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Confirmation of correct polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	M Ω	Line/Earth
			> 299 M Ω
Line/Neutral	> 299	M Ω	Neutral/Earth
			> 299 M Ω
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			<input checked="" type="checkbox"/>

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.

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

*2015

Name (CAPITALS) RICHARD HAMILTON

Name (CAPITALS) DAN MOODIE

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

Signature

Signature

Address and Postcode

Position TESTER

Position QUALIFIED SUPERVISOR

Date 05/12/2015

Date 05/12/2015



Enrolment Number

22884

Branch number (if applicable)

N/A

(The enrolment number is essential information)