



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

162227

ICR18

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

Original to the person ordering the work

Part P No:

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 19855 Branch No*:
Trading Title: A Archer Electrical Ltd
Address: Holly Farm, Clipstone Road , Edwinstowe , Nottinghamshire
Postcode: NG21 9JD Tel No: 0115 9667480

DETAILS OF THE CLIENT

Contractor Reference Number (CRN):
Name: Study Inn
Address: 359 YardleyRoad, Yardley, Birmingham
Postcode: B25 8NB Tel No: N/A

DETAILS OF THE INSTALLATION

Occupier: Study Inn Loughborough
Address: Lemymton Street, Loughborough
Postcode: LE11 1UH Tel No: N/A

PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE

Date works completed: 26/02/2019

The installation is -

- New:
- An addition:
- An alteration:
- Replacement of a distribution board:

Description and extent of the installation covered by this certificate:

All of the store.

Where necessary, continue on a separate numbered page: Page No(s) (N/A.....)

PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION

I/We, being the designer(s) of the electrical installation as documented in PART 4, RECOMMEND that this installation is further inspected and tested after an interval of not more than: years**

PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK (this option may be used where the design, construction, inspection & testing have been the responsibility of one person)

DESIGN, CONSTRUCTION, INSPECTION & TESTING (The extent of liability of the signatories is limited to the work detailed in PART 2)

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671: 2018, amended to N/A.....(date) except for the departures, if any, detailed on attached page(s) (.....)(Regulations 120.3, 133.1.3 and 133.5).

Permitted exception applied (411.3.3): Risk assessment attached: Page No(s) (.....) Where selectivity is required, details of the verification appended (536.4): Page No(s) (.....)

Name (capitals): MARK HUDSON

Signature:

Date: 23/08/2019

REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals): ROSS HARRISON

Signature:

Date: 23/08/2019

*Where applicable ** The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

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PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK *(to be completed where different parties are responsible for the design, construction, inspection & testing)*

DESIGN *(The extent of liability of the signatories is limited to the work detailed in PART 2)*

I/We being the person(s) responsible for the design of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, 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: 2018, amended to (date) except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3, 133.1.3 and 133.5).

Permitted exception applied (411.3.3): Risk assessment attached: Page No(s) (.....) Where selectivity is required, details of the verification appended (536.4): Page No(s) (.....)

DESIGNER 1 Name (capitals): ROSS HARRISON Signature:  Date: 23/08/2019

DESIGNER 2 (where there is divided responsibility for design) Name (capitals): MARK HUDSON Signature:  Date: 23/08/2019

CONSTRUCTION *(The extent of liability of the signatories is limited to the work detailed in PART 2)*

I, being the person responsible for the construction of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: 2018, amended to N/A (date) except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3 and 133.5).

Name (capitals): MARK HUDSON Signature:  Date: 23/08/2019

INSPECTION & TESTING *(The extent of liability of the signatories is limited to the work detailed in PART 2)*

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: 2018, amended to (date) except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3 and 133.5).

Name (capitals): MARK HUDSON Signature:  Date: 23/08/2019

REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals): ROSS HARRISON Signature:  Date: 23/08/2019

PART 5 : COMMENTS ON THE EXISTING INSTALLATION *(in the case of an addition or alteration see Regulation 644.1.2)*

The installation power supply needs upgrading to 100amp the current power supply is not adequate for the load installed

Where necessary, continue on a separate numbered page: Page No(s) (N/A.....)

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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PART 6 : DETAILS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION (signatures of which are in PART 4)

DESIGN, CONSTRUCTION, INSPECTION & TESTING	DESIGN		CONSTRUCTION	INSPECTION & TESTING
	DESIGNER 1	DESIGNER 2		
Organisation: A Archer Electrical Ltd	Organisation:	Organisation:	Organisation:	Organisation:
Registration No*: 19855	Registration No*:	Registration No*:	Registration No*:	Registration No*:
Branch No*:	Branch No*:	Branch No*:	Branch No*:	Branch No*:
Address: Clipstone Road, Edwinstowe, Nottinghamshire	Address:	Address:	Address:	Address:
Postcode: NG21 9JD	Postcode:	Postcode:	Postcode:	Postcode:
Tel No: 01159667480	Tel No:	Tel No:	Tel No:	Tel No:

PART 7 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements	Number and type of live conductors	Nature of supply parameters
TN-C-S: <input checked="" type="checkbox"/> TN-S: <input type="checkbox"/> TT: <input type="checkbox"/>	AC 1-phase, 2-wire: <input type="checkbox"/> 2-phase, 3-wire: <input type="checkbox"/>	Nominal line voltage, $U^{(1)}$: (.....) V
Other (state):	3-phase, 3-wire: <input type="checkbox"/> 3-phase, 4-wire: <input type="checkbox"/>	Nominal line voltage to Earth, $U_0^{(1)}$: (.....) V
Supply protective device	DC 2-wire: <input type="checkbox"/> 3-wire: <input type="checkbox"/> Other (state): (.....)	Nominal frequency, $f^{(1)}$: (.....) Hz
(BS (EN)	Confirmation of supply polarity: ()	Prospective fault current, $I_{pf}^{(1)**}$: (.....) kA
Type: (.....) Rated current: (.....) A	Other sources of supply: (as detailed on attached schedule) Page No: (.....)	External loop impedance, $Z_e^{(1)**}$: (.....) Ω

PART 8 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Means of Earthing	Main protective conductors	Main protective bonding connections	Main switch / Switch-fuse / Circuit-breaker / RCD
Maximum demand (load): (80.....) A	Earthing conductor: (material Copper..... csa 25..... mm ²)	Water installation pipes: (✓)	Type: (BS (EN) BS 1361 Fuse HBC Domestic Type 2.....)
Distributor's facility: (✓)	Connection / continuity verified: <input checked="" type="checkbox"/>	Gas installation pipes: (N/A)	Location: (External services cupboard.....)
Installation earth electrode: (N/A)	Main protective bonding conductors: (material Copper..... csa 16..... mm ²)	Structural steel: (N/A)	No. of poles: (2.....) Rating / setting of device: (63.....) A
Where an earth electrode is used insert	Connection / continuity verified: <input checked="" type="checkbox"/>	Oil installation pipes: (N/A)	Current rating: (63.....) A Voltage rating: (230.....) V
Type - rod(s), tape, etc: (n/a.....)		Lightning protection: (N/A)	Where an RCD is used as the main switch
Location: (n/a.....)		Other (state):	RCD rated residual operating current, $I_{\Delta n}$: (n/a.....) mA
Electrode resistance to Earth: (n/a.....) Ω			Measured operating time: (n/a.....) ms Rated time delay: (n/a.....) ms

*Where applicable

**Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf} , and external earth fault loop impedance, Z_e , must be recorded.

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PART 9 : SCHEDULE OF ITEMS INSPECTED - continues on next page

1. External condition of electrical intake equipment (visual inspection only)		3.3 FELV – requirements satisfied: (N/A)	7.15 Indication of SPD(s) continued functionality confirmed: (N/A)
1.1 Service cable: (✓)	1.2 Service head: (✓)	3.4 Reduced low voltage – requirements satisfied: (N/A)	7.16 Selection of protective devices(s) and base(s); correct type and rating: (✓)
1.3 Earthing arrangement: (✓)	1.4 Meter tails: (✓)	4. Additional protection	7.17 Single-pole protective devices in line conductors only: (✓)
1.5 Metering equipment: (✓)	1.6 Isolator (where present): (✓)	4.1 The presence and effectiveness of additional protection methods used, as follows: (✓)	7.18 Protection against mechanical damage where cables enter equipment: (✓)
2. Parallel or switched alternative sources of supply		a) RCDs not exceeding 30 mA operating current, as specified (✓)	7.19 Protection against electromagnetic effects where cables enter ferromagnetic enclosures: (✓)
2.1 Presence of adequate arrangements where generator to operate as a switched alternative:		b) Supplementary bonding (✓)	7.20 Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure: (✓)
a) Dedicated earthing arrangement independent of that of the public supply (N/A)		5. Basic protection (# For use in controlled / supervised conditions only)	7.21 Presence of RCD six-monthly test notice, where required: (✓)
2.2 Presence of adequate arrangements where generator to operate in parallel with public supply:		5.1 Presence and adequacy of protective measures to provide basic protection:	7.22 Presence of diagrams, charts or schedules at or near each distribution board, where required: (✓)
a) Correct connection of generator in parallel (N/A)		a) Insulation of live parts (N/A)	7.23 Presence of next inspection recommendation label: (✓)
b) Compatibility of characteristics of means of generation (N/A)		b) Barriers or enclosures (N/A)	7.24 Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required: (✓)
c) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values (N/A)		c) Obstacles ‡ (N/A)	7.25 Presence of other required labelling: (✓)
d) Means to prevent connection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values (N/A)		d) Placing out of reach ‡ (N/A)	8. Circuits
e) Means to isolate generator from public supply (N/A)		6. Basic and fault protection	8.1 Identification of conductors: (✓)
2.3 Presence of alternative / additional supply warning notices at or near:		a) SELV (N/A)	8.2 Cables correctly supported throughout, with protection against abrasion: (✓)
a) The origin (N/A)		b) PELV (N/A)	8.3 Examination of cables for signs of mechanical damage during installation: (✓)
b) The meter position, if remote from origin (N/A)		c) Double or reinforced insulation (N/A)	8.4 Examination of installation of live parts, not damaged during erection: (✓)
c) The consumer unit / distribution board to which the alternative / additional sources are connected (N/A)		<i>When used, provide details on a separate numbered page: Page No ()</i>	8.5 Non-sheathed cables protected by enclosure in conduit, ducting or trunking: (✓)
d) All points of isolation of ALL sources of supply (N/A)		7. Distribution equipment	8.6 Suitability of containment systems (including flexible conduit): (✓)
3. Automatic disconnection of supply		7.1 Adequacy of working space / accessibility: (✓)	8.7 Correct temperature rating of cable insulation: (✓)
3.1 Presence and adequacy of protective earthing / bonding arrangements as follows:		7.2 Security of fixing: (✓)	8.8 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation: (✓)
a) Distributor's earthing arrangement or installation earth electrode arrangement (✓)		7.3 Insulation of live parts not damaged during erection: (✓)	8.9 Adequacy of protective devices: type and fault current rating for fault protection: (✓)
b) Earthing conductor and connections (✓)		7.4 Adequacy / security of barriers: (✓)	8.10 Adequacy of AFDD(s), where specified: (N/A)
c) Main protective bonding conductors and connections (✓)		7.5 Suitability of enclosures for IP and fire ratings: (✓)	8.11 Presence and adequacy of circuit protective conductors: (✓)
d) Earthing / bonding labels at all appropriate locations (✓)		7.6 Enclosures not damaged during installation: (✓)	8.12 Coordination between conductors and overload protective devices: (✓)
3.2 Accessibility of:		7.7 Presence and effectiveness of obstacles: (✓)	
a) Earthing conductor connections (✓)		7.8 Presence and operation (functional) check of main switch(es): (✓)	
b) All protective bonding connections (✓)		7.9 Components are suitable according to assembly manufacturer's instructions or literature: (✓)	
		7.10 Operation of circuit-breakers and RCDs to prove functionality: (✓)	
		7.11 RCD(s) provided for fault protection, where specified: (N/A)	
		7.12 RCD(s) provided for protection against fire, where specified: (N/A)	
		7.13 RCD(s) provided for additional protection, where specified: (N/A)	
		7.14 Confirmation overvoltage protection (SPDs) provided, where specified: (N/A)	

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PART 9 : SCHEDULE OF ITEMS INSPECTED

<p>8.13 Wiring systems and cable installation methods / practices appropriate to the type and nature of installation and external influences: (✓)</p> <p>8.14 Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage: (✓)</p> <p>8.15 Cables installed in walls / partitions, installed in prescribed zones: (N/A)</p> <p>8.16 Provision of additional protection by RCDs having rated residual operating current (I_{Δn}) not exceeding 30 mA:</p> <p>a) For all socket-outlets with a rated current not exceeding 32 A or less, unless exempt (✓)</p> <p>b) For supplies to mobile equipment with a current rating not exceeding 32 A for use outdoors (N/A)</p> <p>c) For cables concealed in walls / partitions at a depth of less than 50 mm (✓)</p> <p>d) For cables concealed in walls / partitions containing metal parts regardless of depth (✓)</p> <p>e) For circuits supplying luminaires within domestic (household) premises only (✓)</p> <p>8.17 Provision of fire barriers, sealing arrangements so as to minimise the spread of fire: (✓)</p> <p>8.18 Band II cables segregated / separated from Band I cables: (N/A)</p> <p>8.19 Cables segregated / separated from non-electrical services: (✓)</p> <p>8.20 Termination of cables at enclosures:</p> <p>a) Connections under no undue strain (✓)</p> <p>b) No basic insulation of a conductor visible outside enclosure (✓)</p> <p>c) Connections of live conductors adequately enclosed (✓)</p> <p>d) Adequately connected at point of entry to enclosure (✓)</p> <p>8.21 Suitability of circuit accessories for external influences: (✓)</p> <p>8.22 Circuit accessories not damaged during erection: (✓)</p> <p>8.23 Single-pole devices for switching or protection in line conductors only: (✓)</p>	<p>8.24 Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment: (✓)</p> <p>9. Isolation and switching</p> <p>9.1 Isolators:</p> <p>a) Presence and location of appropriate devices (✓)</p> <p>b) Capable of being secured in the OFF position (✓)</p> <p>c) Correct operation verified (functional check) (✓)</p> <p>d) The installation, circuit or part thereof that will be isolated is clearly identified by location and / or durable marking (✓)</p> <p>e) Warning notice posted in situations where live parts cannot be isolated by the operation of a single device (✓)</p> <p>9.2 Switching off for mechanical maintenance:</p> <p>a) Presence of appropriate devices (N/A)</p> <p>b) Acceptable location (local or remote) (N/A)</p> <p>c) Capable of being secured in the OFF position (N/A)</p> <p>d) Correct operation verified (functional check) (N/A)</p> <p>e) The installation, circuit or part thereof to be disconnected clearly identified by location and / or durable marking (N/A)</p> <p>9.3 Emergency switching / stopping:</p> <p>a) Presence of appropriate devices (N/A)</p> <p>b) Readily accessible for operation where danger might occur (N/A)</p> <p>c) Correct operation verified (functional check) (N/A)</p> <p>d) The installation, circuit or part thereof to be disconnected clearly identified by location and / or durable marking (N/A)</p> <p>e) Firefighter's switches present, where required: (N/A)</p> <p>9.4 Functional switching:</p> <p>a) Presence of appropriate devices (✓)</p> <p>b) Correct operation verified (functional check) (✓)</p>	<p>10. Current-using equipment (permanently connected)</p> <p>10.1 Suitability of equipment in terms of IP and fire ratings: (N/A)</p> <p>10.2 Enclosure not damaged / deteriorated during installation so as to impair safety: (N/A)</p> <p>10.3 Suitability for the environment and external influences: (N/A)</p> <p>10.4 Security of fixing: (N/A)</p> <p>10.5 Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire: (N/A)</p> <p>10.6 Recessed luminaires (downlighters):</p> <p>a) Correct type of lamps fitted (N/A)</p> <p>b) Installed to minimise build-up of heat (N/A)</p> <p>10.7 Provision of undervoltage protection, where specified: (N/A)</p> <p>10.8 Provision of overload protection, where specified: (N/A)</p> <p>10.9 Adequacy of working space / accessibility to equipment: (N/A)</p> <p>11. Special installations or locations</p> <p>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:</p> <p>..... ()</p> <p>..... ()</p> <p>..... ()</p> <p>..... ()</p> <p>..... ()</p> <p><i>Details must be appended on a separate numbered page (see PART 10 below)</i></p> <p>SCHEDULE OF ITEMS INSPECTED BY</p> <p>Name (capitals):</p> <p>Signature: Date:</p>
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PART 10 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations (indicated in item 11 above)	Continuation sheets
Page No(s): (4 & 5)	Page No(s): (6)	Page No(s): ()	Page No(s): ()	Page No(s): (N/A)

The pages identified are an essential part of this certificate.

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons								
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)				All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD		
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	(ms)																						
1/L1	RECEPTION	A				1	16	6	5	61009 RCD/RCBO	B	45	10	30			>999	>999	500	✓	0.25	17.7													
1/L2	KITCHEN 1 NEAR	A				1	16	6	5	61009 RCD/RCBO	B	45	10	30	0		>999	>999	500	✓	0.11	18.1													
1/L3	KITCHEN 2 FAR	A				1	16	6	5	61009 RCD/RCBO	B	45	10	30	0		>999	>999	500	✓	0.33	22.3													
2/L1	ROOM 1 SC-3	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.43	14.2													
2/L2	ROOM 2 SC-2	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.39	13.6													
2/L3	ROOM 3 SC-4	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.44	18.2													
3/L1	ROOM 4 SC-1	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.38	17.9													
3/L2	ROOM 5 SC-5	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.59	18.4													
3/L3	ROOM 6/9	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.49	2													
4/L1	ROOM 7 SC-6	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.40	18.1													
4/L2	ROOM 8/10	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.37	19.2													
4/L3	ROOM 9/11	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.25	19.4													
5/L1	ROOM 10/7	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.27	18.0													
5/L2	ROOM 11/12	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.36	14.4													
5/L3	ROOM 12/8	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.55	18.6													
6/L1	ROOM 13/13	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.35	13.8													
6/L2	ROOM 14/5	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.46	14.2													
6/L3	ROOM 15/14	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.40	18.4													
7/L1	ROOM 16/6	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.36	18.4													
7/L2	ROOM 17/15	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.34	18.6													
7/L3	ROOM 18/4	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0		>999	>999	500	✓	0.19	19.4													

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)
 DB designation: DB1
 Location of DB: Level G

TESTED BY Name (capitals): MARK HUDSON
 Position: Electrician
 Signature: Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
 Associated RCD (if any) Type: (BS EN) No. of poles: () I_{Δn} () mA Operating time: () ms
 Characteristics at this DB Confirmation of supply polarity: () Phase sequence confirmed (where appropriate): Z_s (0.10) Ω I_{Δf} (2.23) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: () Continuity: ()
 Insulation resistance: () Earth fault loop impedance: ()
 Earth electrode resistance: () RCD: ()

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE


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SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons								
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _n (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)				All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD		
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	RCD	AFDD																					
8/L1	ROOM 19/16	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0									>999	>999	500	✓	0.21	17.9						
8/L2	ROOM 20/3	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.33	18.9					
8/L3	ROOM 21/1	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.18	17.9					
9/L2	ROOM 23/2	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.29	18.2					
9/L3	ROOM 24 SH-5	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.16	13.6					
9/L1	ROOM 22 SH-6	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.20	18.0					
10/L1	ROOM 25 SH-1	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.21	18.2					
10/L2	ROOM 26 SH-3	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.16	13.7					
10/L3	ROOM 27 SH-2	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0										>999	>999	500	✓	0.27	14.0					
11/L1	ROOM 28 SH-4	A				1	10	4	5	61009 RCD/RCBO	B	40	10	30	0																	18.4			
11/L2	CLEANERS	A					2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	0										>999	>999	500	✓	1.11	17.9					
11/L3	CORRIDOR LIGHTS NEAR	A				15	1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500	✓	1.86	18.0					
12/L1	CORRIDOR LIGHTS FAR	A				25	1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500	✓	2.10	14.0					
12/L2	END CORRIDOR STAIR LIGHTS	A				8	1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500	✓	0.90	14.1					
12/L3	NEAR STAIRCASE LIGHTS	A				10	1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500	✓	2.50	18.7					
13/L1	CORRIDOR EM	A				15	1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500	✓		18.5					
13/L2	OUTSIDE LIGHTS 1	A					1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500	✓		18.4					
13/L3	OUTSIDE LIGHTS 2	A					1.5	1.0	0.4	61009 RCD/RCBO	B	10	10	30	0										>999	>999	500								
14/L1	SPARE																																		
14/L2	FIRE SHUTTER	A				1			0.4	60898 MCB	B	16	6	N/A	0										>999	>999	500	✓	0.58						
14/L3	DOOR ACCESS	C							0.4	60947-2 MCB	C	10	10	N/A	0										>999	>999	500	✓	0.21						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)
DB designation: DB1
Location of DB: Level G

TESTED BY Name (capitals): MARK HUDSON
Position: Electrician
Signature: 
Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
Associated RCD (if any) Type: (BS EN) No. of poles: () I_n () mA Operating time: () ms
Characteristics at this DB Confirmation of supply polarity: () Phase sequence confirmed (where appropriate): False Z_s (0.10) Ω Z_{df} (2.23) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)
Multi-function: Continuity:
Insulation resistance: Earth fault loop impedance:
Earth electrode resistance: RCD:

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring			Number of points served	Circuit conductor csa			Protective device				RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit		(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD							
		Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	(Line) r _l	(Neutral) r _n	(cpc) r _l			(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)										
										(R _l +R _n)	R _{ll}	(MΩ)			(MΩ)	(V)													
15/L1	RHS SPUR	A			1	2.5	1.0	0.4	60898	MCB	B	16	6	N/A	0							>999	>999	500	✓	0.14			
15/L2	LHS SPUR HEAT	A			1	2.5	1.0	0.4	60898	MCB	B	16	6	N/A	0							>999	>999	500	✓	0.15			
15/L3	CT METER	A			1	1.5	N/A	0.4	60947-2	MCB	C	6	10	N/A	0							>999	>999	500	✓	0.18			
16/L1	CT METER	A			1	1.5	N/A	0.4	60947-2	MCB	C	6	10	N/A	0							>999	>999	500	✓	0.18		✓	
16/L2	CT METER	A			1	1.5	N/A	0.4	60947-2	MCB	C	6	10	N/A	0							>999	>999	500	✓	0.18			
16/L3																													

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB1 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: Level G Signature: Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): False Z_s (0.10.....) Ω Z_f (2.23.....) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons										
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm²)	cpc (mm²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD	
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)																								
1/L1	NEAR KITCHEN	A		A		1	16	6	5	61009 RCD/RCBO	B	45	10	30	0.78						>999	>999	500	✓	0.13	22.5	✓								
1/L2	FAR KITCHEN	A		A		1	16	6	5	61009 RCD/RCBO	B	45	10	30	0.78						>999	>999	500	✓	0.24	17.9	✓								
1/L3	ROOM 1 PR-4	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.58	18.6	✓								
2/L1	ROOM 2 PR-3	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.63	18.2	✓								
2/L2	ROOM 3 PR-5	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.50	14.2	✓								
2/L3	ROOM 4 PR-2	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.53	18.2	✓								
3/L1	ROOM 5 PR-6	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.54	18.2	✓								
3/L2	ROOM 6 PR-1	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.39	18.6	✓								
3/L3	ROOM 7 PR-7	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.55	18.4	✓								
4/L1	ROOM 8 28	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.50	14.2	✓								
4/L2	ROOM 9 29	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.52	18.0	✓								
4/L3	ROOM 10 27	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.36	19.2	✓								
5/L1	ROOM 11 30	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.51	18.2	✓								
5/L2	ROOM 12 26	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.56	13.8	✓								
5/L3	ROOM 13 31	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.48	18.6	✓								
6/L1	ROOM 14 25	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.50	18.2	✓								
6/L2	ROOM 15 32	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.43	18.4	✓								
6/L3	ROOM 16 24	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.47	18.4	✓								
7/L1	ROOM 17 33	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.46	18.2	✓								
7/L2	ROOM 18 23	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.29	18.3	✓								
7/L3	ROOM 19 34	A		A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88						>999	>999	500	✓	0.46	18.4	✓								

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB2 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: Level 1 Riser Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (BASEMENT) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
 Associated RCD (if any) Type: (BS EN _____) No. of poles: (_____) I_{Δn} (_____) mA Operating time: (_____) ms
 Characteristics at this DB Confirmation of supply polarity: (_____) Phase sequence confirmed (where appropriate): Z_s (0.12) Ω I_{Δf} (1.88) kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: _____ Continuity: _____
 Insulation resistance: _____ Earth fault loop impedance: _____
 Earth electrode resistance: _____ RCD: _____

Original to the person ordering the work

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Table with columns for Codes, Circuit description, Type of wiring, Protective device, RCD, Circuit impedances, Insulation resistance, and Test buttons.

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case). DB designation: DB2, Location of DB: Level 1 Riser. TESTED BY Name: MARK HUDSON, Signature: [Handwritten], Position: Electrician, Date: 23/08/2019.

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION. Supply to DB is from: BASEMENT, Nominal voltage: (400) V, No. of phases: (3), Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2), Rating: (100) A, Associated RCD (if any) Type: (BS EN), No. of poles: (), In () mA Operating time: () ms, Characteristics at this DB Confirmation of supply polarity: (), Phase sequence confirmed (where appropriate): False, Zs (0.12) Ohm, Zpf (1.88) kA.

TEST INSTRUMENTS (enter serial number against each instrument used). Multi-function: (), Continuity: (), Insulation resistance: (), Earth fault loop impedance: (), Earth electrode resistance: (), RCD: ().

Original to the person ordering the work

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

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SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)				All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD			
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}																											
15/L1	SPARE																																			
15/L2	SPARE																																			
15/L3	CT METER			A		1	1.5	N/A	0.4	60898	MCB	B	6	6	N/A	5.87																				
16/L1	CT METER (3 PHASE)			A		1	1.5	N/A	0.4	60947-2	MCB	C	6	10	N/A	2.91																				
16/L2	CT METER			A		1	1.5	N/A	0.4	60947-2	MCB	C	6	10	N/A	2.91																				
16/L3	CT METER			A		1	1.5	N/A	0.4	60947-2	MCB	C	6	10	N/A	2.91																				

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB2 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: Level 1 Riser Signature: Date: 23/08/2019

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

Supply to DB is from: (BASEMENT) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): False Z_s (0.12) Ω I_{Δf} (1.88) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

Original to the person ordering the work

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes) Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons							
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit			(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted I _{Δn} for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD	
		Live (mm ²)	cpc (mm ²)			Max. disconnection time (BS 7671) (s)	Type	Rating	Short-circuit capacity	Operating current, I _{Δn} (mA)	Maximum permitted I _{Δn} for installed protective device* (Ω)	(Line)							(Neutral)	(cpc)	(R _i +R _l)	R _{ll}									
		(r _l)	(r _n)			(r _l)						(R _i +R _l)							R _{ll}												
1/L1	KITCHEN NEAR	A			1	16	6	5	BS 61009	B	45	10	30	0.78					>999	>999	500	✓	0.12	17.9	✓						
1/L2	KITCHEN FAR	A			1	16	6	5	BS 61009	B	45	10	30	0.78					>999	>999	500	✓	0.33	19.5	✓						
1/L3	ROOM 1 UB4	A			1	10	4	5	BS 61009	B	40	10	30	0.88					>999	>999	500	✓	0.49	18.4	✓						
2/L1	ROOM 2 UB3	A			1	10	4	5	BS 61009	B	40	10	30	0.88					>999	>999	500	✓	0.27	18.4	✓						
2/L2	ROOM 3 UB5	A			1	10	4	5	BS 61009	B	40	10	30	0.88					>999	>999	500	✓	0.29	18.3	✓						
2/L3	ROOM 4 UB2	A			1	10	4	5	BS 61009	B	40	10	30	0.88					>999	>999	500	✓	0.33	18.2	✓						
3/L1	ROOM 5 UB6	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.33	18.2	✓						
3/L2	ROOM 6 UB1	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.29	18.4	✓						
3/L3	ROOM 7 UB7	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.30	18.3	✓						
4/L1	ROOM 8 46	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.41	19.3	✓						
4/L2	ROOM 9 47	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.49	7.4	✓						
4/L3	ROOM 10 45	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.56	18.4	✓						
5/L1	ROOM 11 48	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.48	7.0	✓						
5/L2	ROOM 12 44	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.48	7.0	✓						
6/L1	ROOM 14 43	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.48	7.4	✓						
5/L3	ROOM 13 49	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.52	18.2	✓						
6/L2	ROOM 15 50	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.46	7.4	✓						
6/L3	ROOM 16 42	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.44	18.4	✓						
7/L1	ROOM 17 51	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.38	18.3	✓						
7/L2	ROOM 18 41	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.42	18.4	✓						
7/L3	ROOM 19 52	A			1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.57	7.4	✓						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB3 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician

Location of DB: Level 2 Riser Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)

Overcurrent protection device for the distribution circuit Type: (BS EN 60947) Rating: (100) A

Associated RCD (if any) Type: (BS EN _____) No. of poles: (_____) I_{Δn} (_____) mA Operating time: (_____) ms

Characteristics at this DB Confirmation of supply polarity: (_____) Phase sequence confirmed (where appropriate): Z_s (0.11) Ω Z_{df} (2.04) kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: _____ Continuity: _____

Insulation resistance: _____ Earth fault loop impedance: _____

Earth electrode resistance: _____ RCD: _____

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

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SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons			
					Live (mm²)	cpc (mm²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD
														(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}								
																(MΩ)	(MΩ)	(V)	(Ω)	(ms)						
8/L1	ROOM 20 39	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.37	7.2	✓		
8/L2	ROOM 21 35	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.38	18.3	✓		
8/L3	ROOM 22 38	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.37	7.4	✓		
9/L1	ROOM 23 36	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.30	7.2	✓		
9/L2	ROOM 24 LH6	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.34	7.4	✓		
9/L3	ROOM 25 37	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.35	7.4	✓		
10/L1	ROOM 26 LH5	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.36	7.4	✓		
10/L2	ROOM 27 LH1	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.33	7.8	✓		
10/L3	ROOM 28 LH4	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.32	7.2	✓		
11/L1	ROOM 29 LH2	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.31	7.6	✓		
11/L2	ROOM 30 40	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.39	18.4	✓		
11/L3	ROOM 31 LH3	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.28	17.3	✓		
12/L1	CLEANERS	A		3	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75					>999	>999	500	✓	1.00	18.3	✓		
12/L2	CORRIDOR LIGHTS NEAR	A		19	1.5	1	5	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	0.21	18.3	✓		
12/L3	NEAR STAIR LIGHTS	C		2	1.5	1	5	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	0.49	17.9	✓		
13/L1	FAR CORRIDOR LIGHTS	A		6	1.5	1	5	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	1.16	18.0	✓		
13/L2	CORRIDOR EM LIGHTS	A		27	1.5	1	5	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	0.76	16.1	✓		
13/L3	FAR STAIR LIGHTS	C		2	1.5	1	5	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	0.64	18.2	✓		
14/L1	DOOR ACCESS	C		4	2.5	1.5	5	60898 MCB	B	16	6		2.2					>999	>999	500	✓	0.23	N/A			
14/L2	LHS SPUR	D		1	2.5	1.5	5	60898 MCB	B	16	6		2.2					>999	>999	500	✓	0.15	N/A			
14/L3	RHS SPUR	D		1	2.5	1.5	5	60898 MCB	B	16	6		2.2					>999	>999	500	✓	0.16	N/A			

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB3 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: Level 2 Riser Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947) Rating: (100) A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): False Z_s (0.11) Ω Z_f (2.04) kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons								
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD														
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n			(cpc) r _l	(R _l +R _n)				R _{ll}	(MΩ)	(MΩ)						
15/L1																																			
15/L2																																			
15/L3	CT METER	A		1	1.5	1	0.4	60898	MCB	B	6	6	N/A	5.87																					
16/L1	CT METER 3 PHASE	A		1	1.5	1	0.4	60947-2	MCB	C	6	10	N/A	2.91																					
16/L2	CT METER 3 PHASE	A		1	1.5	1	0.4	60947-2	MCB	C	6	10	N/A	2.91																					
16/L3	CT METER 3 PHASE	A		1	1.5	1	0.4	60947-2	MCB	C	6	10	B/A	2.91																					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB3 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: Level 2 Riser Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
Overcurrent protection device for the distribution circuit Type: (BS EN 60947) Rating: (100) A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): False Z_s (0.11.....) Ω I_{Δf} (2.04.....) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons			
					Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD
														(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}								
															(MΩ)	(MΩ)	(V)	(Ω)	(ms)							
1/L1	NEAR KITCHEN	A		1	16	10	5	61009 RCD/RCBO	B	45	10	30	0.78					>999	>999	500	✓	0.13	18.1	✓		
1/L2	FAR KITCHEN	A		1	16	10	5	61009 RCD/RCBO	B	45	10	30	0.78					>999	>999	500	✓	0.35	22.2	✓		
1/L3	ROOM 1 VH4	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.63	18.3	✓		
2/L1	ROOM 2 VH3	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.38	18.2	✓		
2/L2	ROOM 3 VH5	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.42	18.3	✓		
2/L3	ROOM 4 VH6	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.47	18.3	✓		
3/L1	ROOM 5 VH6	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.40	18.1	✓		
3/L2	ROOM 6 VH1	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.37	18.2	✓		
3/L3	ROOM 7 VH7	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.59	18.5	✓		
4/L1	ROOM 8 64	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.48	18.2	✓		
4/L2	ROOM 9 65	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.41	19.2	✓		
4/L3	ROOM 10 63	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.39	18.4	✓		
5/L1	ROOM 11 66	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.35	18.3	✓		
5/L2	ROOM 12 62	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.44	18.3	✓		
5/L3	ROOM 13 67	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.50	18.3	✓		
6/L1	ROOM 14 61	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.42	18.3	✓		
6/L2	ROOM 15 68	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.42	19.3	✓		
6/L3	ROOM 16 60	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.50	18.4	✓		
7/L1	ROOM 17 69	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.51	18.3	✓		
7/L2	ROOM 18 59	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.39	18.3	✓		
7/L3	ROOM 19 70	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.40	18.4	✓		

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)
 DB designation: DB4
 Location of DB: Level 3 Riser

TESTED BY Name (capitals): MARK HUDSON Position: Electrician
 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.13) Ω I_f (1.78) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons			
					Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD
														(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}								
																		(MΩ)	(MΩ)	(V)	(Ω)		(ms)			
8/L1	ROOM 20 58	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.25	19.2	✓		
8/L2	ROOM 21 53	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.41	18.3	✓		
8/L3	ROOM 22 57	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.39	18.3	✓		
9/L1	ROOM 23 54	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.43	18.4	✓		
9/L2	ROOM 25 55	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.34	19.2	✓		
9/L3	ROOM 26 MF6	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.22	18.4	✓		
10/L1	ROOM 26 MF6	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.35	18.2	✓		
10/L2	ROOM 27 MF1	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.35	18.3	✓		
10/L3	ROOM 28 MF5	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.33	18.4	✓		
11/L1	ROOM 29 MF2	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.32	18.4	✓		
11/L2	ROOM 30 MF4	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.36	18.4	✓		
11/L3	ROOM 31 MF3	A		1	10	4	5	61009 RCD/RCBO	B	40	10	30	0.88					>999	>999	500	✓	0.18	18.3	✓		
12/L1	CLEANERS	A		2	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75					>999	>999	500	✓	1.41	18.4	✓		
12/L2	CORRIDOR LIGHTS NEAR	A		18	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	1.36	18.0	✓		
12/L3	STAIR LIGHTS NEAR	A		2	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓		18.4	✓		
13/L1	CORRIDOR LIGHTS FAR	A		25	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	2.50	18.0	✓		
13/L2	EM CORRIDOR LIGHTS	A		19	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓	2.19	16.3	✓		
13/L3	STAIR LIGHTS FAR	A		2	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	3.5					>999	>999	500	✓					
14/L1	LIFT SUPPLY	A		2	2.5	1.5	0.4	60947-2 MCB	B	20	6	N/A	1.75					>999	>999	500	✓	0.52				
14/L2	DOOR ENTRY	A		4	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.2					>999	>999	500	✓	0.21				
14/L3	SPUR RHS	A		1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.2					>999	>999	500	✓	0.16				

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB4 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: Level 3 Riser Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): False Z_s (0.13) Ω Z_{df} (1.78) kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: Continuity:
 Insulation resistance: Earth fault loop impedance:
 Earth electrode resistance: RCD:

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CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring			Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons						
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit		(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)			Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD
		Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)		(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}																				
15/L1	SPUR LHS	A			1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.2						>999	>999	500	✓	0.15						
15/L2																														
15/L3	CT METER	A			1	1.5	N/A	0.4	60898 MCB	B	6	6	N/A	5.87						>999	>999	500	✓	0.17						
16/L1	CT METER (3 PHASE)	A			1	1.5	N/A	0.4	60898 MCB	B	6	10	N/A	2.91						>999	>999	500	✓	0.18						
16/L2	CT METER	A			1	1.5	N/A	0.4	60898 MCB	B	6	10	N/A	2.91						>999	>999	500	✓	0.18						
16/L3	CT METER	A			1	1.5	N/A	0.4	60947-2 MCB	C	6	10	N/A	2.91						>999	>999	500	✓	0.18						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB4 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: Level 3 Riser Signature: Date: 23/08/2019

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

Supply to DB is from: (Basement) Nominal voltage: (400) V No. of phases: (3)
 Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2) Rating: (100) A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....) mA Operating time: (.....) ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): False Z_s (0.13) Ω I_{Δf} (1.78) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	RCD	AFDD																				
		Circuit impedances (Ω)					Insulation resistance		Test buttons																									
1/L1	OVEN 1	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.20		>1000	>1000	500	✓	0.53										
1/L2	OVEN 2	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.21		>1000	>1000	500	✓	0.54										
1/L3	LITCHEN SOCKETS	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.33		>1000	>1000	500	✓	0.66										
2/L1	FRIDGE & COOKER	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.23		>1000	>1000	500	✓	0.56										
2/L2	FRIDGE	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.59		>1000	>1000	500	✓	0.92										
2/L3	HEATER	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.23		>1000	>1000	500	✓	0.56										
3/L1	HOB & EXTRACTOR	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.18		>1000	>1000	500	✓	0.51										
3/L2	TV	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.10		>1000	>1000	500	✓	0.43										
3/L3	CONTACTOR LIGHTS	A	C				2.5	1.5	0.4	60898	MCB	B	6	6	0			0.19		>1000	>1000	500	✓	0.52										
4/L1	CLEANERS SOCKETS	A	C				1.5	1.0	0.4	60898	MCB	B	16	6	0			0.79		>1000	>1000	500	✓	1.12										

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB5 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: KITCHEN 2ND (HOIST) Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (19.5.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.33.....)Ω I_{Δf} (0.7.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring			Circuit conductor csa	Protective device	RCD	Circuit impedances (Ω)										Insulation resistance			RCD operating time	Test buttons							
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit				(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Ring final circuits only (measured end to end)			All circuits (complete at least one column)					Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD				
		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served				Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)						R _l	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)
1/L1	OVEN 1				2.5	1.5	0.4	60898 MCB	B	20	6	0				0.09		>999	>999	500	✓	0.21							
1/L2	OVEN 2				2.5	1.5	0.4	60898 MCB	B	20	6	0				0.18		>999	>999	500	✓	0.30							
1/L3	KITCHEN				2.5	1.5	0.4	60898 MCB	B	20	6	0				0.13		>999	>999	500	✓	0.25							
2/L1	FRIDGE				2.5	1.5	0.4	60898 MCB	B	20	6	0				0.51		>999	>999	500	✓	0.63							
2/L2	HEATER				2.5	1.5	0.4	60898 MCB	B	16	6	0				0.26		>999	>999	500	✓	0.38							
2/L3	CLEANERS				2.5	1.5	0.4	60898 MCB	B	16	6	0				0.24		>999	>999	500	✓	0.36							
3/L1	HOB				2.5	1.5	0.4	60898 MCB	B	16	6	0				0.10		>999	>999	500	✓	0.22							
3/L2	TV				1.5	1.0	0.4	60898 MCB	B	6	6	0				0.13		>999	>999	500	✓	0.25							
3/L3	LIGHTS/CONTACTOR															0.51		>999	>999	500	✓	0.63							

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB6 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: KITCHEN 2ND (RISER) Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (17.9.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.12.....)Ω I_{Δf} (1.94.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring			Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit		(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)						All circuits (complete at least one column)		Test voltage DC (V)	RCD	AFDD
		Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)		(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)										
						(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)																		
1/L1	OVEN 1				1	2.5	1.5	0.4	60898	MCB	B	20	6	0			0.10		>1000	>1000	500	✓	0.22					
1/L2	OVEN 2				1	2.5	1.5	0.4	60898	MCB	B	20	6	0			0.10		>1000	>1000	500	✓	0.23					
1/L3	KITCHEN				5	2.5	1.5	0.4	60898	MCB	B	20	6	0			0.36		>1000	>1000	500	✓	0.49					
2/L1	FRIDGE				4	2.5	1.5	0.4	60898	MCB	B	20	6	0			0.49		>1000	>1000	500	✓	0.62					
2/L2	HEATER				3	2.5	1.5	0.4	60898	MCB	B	16	6	0			0.23		>1000	>1000	500	✓	0.36					
2/L3	CLEANERS				1	2.5	1.5	0.4	60898	MCB	B	16	6	0			0.15		>1000	>1000	500	✓	0.38					
3/L1	HOB				1	2.5	1.5	0.4	60898	MCB	B	16	6	0			0.12		>1000	>1000	500	✓	0.25					
3/L2	TV				2	2.5	1.5	0.4	60898	MCB	B	16	6	0			0.12		>1000	>1000	500	✓	0.25					
3/L3	LIGHTS/CONTACTOR				9	1.5	1.0	0.4	60898	MCB	B	6	6	0			0.50		>1000	>1000	500	✓	0.63					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB7 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: Kitchen 3rd Riser Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.13.....)Ω I_{Δf} (1.78.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	(ms)																					
1/L1	OVEN 1	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.17		>1000	>1000	500	✓	0.42										
1/L2	OVEN 2	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.20		>1000	>1000	500	✓	0.45										
1/L3	KITCHEN	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.49		>1000	>1000	500	✓	0.74										
2/L1	FRIDGE	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.14		>1000	>1000	500	✓	0.66										
2/L2	CLEANERS SOCKETS	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.17		>1000	>1000	500	✓	0.45										
2/L3	HEATER	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.35		>1000	>1000	500	✓	0.60										
3/L1	HOB & EXTRACTOR	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.07		>1000	>1000	500	✓	0.32										
3/L2	TV	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.11		>1000	>1000	500	✓	0.36										
3/L3	LIGHTS/CONTACTOR	A	C				2.5	1.5	0.4	60898	MCB	B	6	6	0			0.40		>1000	>1000	500	✓	0.65										

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB8 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: Kitchen 1st Hoist Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (17.9.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.25.....)Ω I_{Δf} (9.39.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	RCD	AFDD																				
		Circuit impedances (Ω)					Insulation resistance		Test buttons																									
1/L1	OVEN 1	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.08		>1000	>1000	500	✓	0.21										
1/L2	OVEN 2	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.07		>1000	>1000	500	✓	0.20										
1/L3	KITCHEN SOCKETS	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.38		>1000	>1000	500	✓	0.51										
2/L1	FRIDGE	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	0			0.52		>1000	>1000	500	✓	0.65										
2/L2	HEATER	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.23		>1000	>1000	500	✓	0.36										
2/L3	HOB	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.08		>1000	>1000	500	✓	0.21										
3/L1	TV	A	C				2.5	1.5	0.4	60898	MCB	B	16	6	0			0.10		>1000	>1000	500	✓	0.23										
3/L2	LIGHTS/CONTACTOR	A	C				1.5	1.0	0.4	60898	MCB	B	6	6	0			0.56		>1000	>1000	500	✓	0.69										

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB9 **TESTED BY** Name (capitals): Position:
 (to be completed in every case) Location of DB: Kitchen 1st Riser Signature: Date:

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (22.5x5.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.13.....)Ω I_{Δf} (1.79.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	DESK POWER	A	C	A	C	16	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.16		>1000	>1000	500	✓	0.41			
1/L2	TV & SCREEN	A	C	A	C	2	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.26		>1000	>1000	500	✓	0.51			
1/L3	HEATER	A	C	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.47		>1000	>1000	500	✓	0.72			
2/L1	CLOCK SPUR	A	C	A	C	1	2.5	1.5	0.4	60898	MCB	B	10	6	3.49				0.12		>1000	>1000	500	✓	0.37			
2/L2	LIGHTS & EM	A	C	A	C	14	1.5	1.0	0.4	60898	MCB	B	10	6	3.49				0.98		>1000	>1000	500	✓	1.23			
2/L3	FIRE	A	C	A	C	1	1.5	1.0	0.4	60898	MCB	B	10	6	3.49				0.16		>1000	>1000	500	✓	0.41			
3/L1	CLEANERS POWER	A	C	A	C	2	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.65		>1000	>1000	500	✓	0.90			
3/L2	CCTV	A	C	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.12		>1000	>1000	500	✓	0.37			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB10 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: RECEPTION Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (17.7.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.25.....)Ω I_{Δf} (0.91.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS


Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	RCD	AFDD																				
		Circuit impedances (Ω)					Insulation resistance		Test buttons																									
1/L1	OVEN 1	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.12		>1000	>1000	500	✓	0.45										
1/L2	OVEN 2	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.16		>1000	>1000	500	✓	0.49										
1/L3	KITCHEN SOCKETS	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.11		>1000	>1000	500	✓	0.44										
2/L1	FRIDGE	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.32		>1000	>1000	500	✓	0.65										
2/L2	SPARE																																	
2/L3	HEATER	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.37		>1000	>1000	500	✓	0.70										
3/L1	HOB	A	C				2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.21		>1000	>1000	500	✓	0.55										
3/L2	TV	A	C				2.5	1.5	0.4	60898	MCB	B	16	6				0.11		>1000	>1000	500	✓	0.44										
3/L3	CLEANERS	A	C				2.5	1.5	0.4	60898	MCB	B	16	6						>1000	>1000	500	✓	0.38										
4/L1	CONTACTOR / LIGHTS	A	C				1.5	1.0	0.4	60898	MCB	B	6	6				0.63		>1000	>1000	500	✓	0.96										

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB11
Location of DB: Ground Kitchen Hoist

TESTED BY

Name (capitals): MARK HUDSON
Signature: 
Position: Electrician
Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (22.3.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.33.....)Ω Z_f (0.7.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
Insulation resistance: (.....) Earth fault loop impedance: (.....)
Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring				Circuit conductor csa	Protective device	RCD	Circuit impedances (Ω)										Insulation resistance			RCD operating time	Test buttons						
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking				(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Ring final circuits only (measured end to end)			All circuits (complete at least one column)				Polarity		Max. measured earth fault loop impedance, Z _s	RCD	AFDD				
		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Live (mm ²)				cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)						R _{ll}	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)
1/L1	OVEN 1	A			2.5	1.5	0.4	60898 MCB	B	20	6	1.75						>1000	>1000	500	✓	0.27							
1/L2	OVEN 2	A			2.5	1.5	0.4	60898 MCB	B	20	6	1.75						>1000	>1000	500	✓	0.26							
1/L3	KITCHEN SOCKETS	A			2.5	1.5	0.4	60898 MCB	B	20	6	1.75						>1000	>1000	500	✓	0.39							
2/L1	FRIDGE	A			2.5	1.5	0.4	60898 MCB	B	20	6	1.75						>1000	>1000	500	✓	0.48							
2/L2	CLEANERS	A			2.5	1.5	0.4	60898 MCB	B	20	6	1.75						>1000	>1000	500	✓	0.38							
2/L3	HEATER	A			2.5	1.5	0.4	60898 MCB	B	20	6	1.75						>1000	>1000	500	✓	0.37							
3/L1	HOB	A			2.5	1.5	0.4	60898 MCB	B	16	6	2.2						>1000	>1000	500	✓	0.24							
3/L2	TV	A			2.5	1.5	0.4	60898 MCB	B	16	6	2.2						>1000	>1000	500	✓	0.42							
3/L3	LIGHTS / CONTACTOR	A			1.5	1.0	0.4	60898 MCB	B	6	6	5.87						>1000	>1000	500	✓	0.81							

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB12 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (18.1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.11.....)Ω I_{Δf} (2.02.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.41		>1000	>1000	500	✓	0.59				
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.18		>1000	>1000	500	✓	0.36				
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	2.18				0.67		>1000	>1000	500	✓	0.85				

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB13 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SH 6 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (17.9.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.18.....)Ω Z_f (1.3.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
		Type of wiring (see Codes)	Reference Method (BS 7671)																									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.49		>999	>999	500	✓	0.78					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.17		>999	>999	500	✓	0.46					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.46		>999	>999	500	✓	0.75					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB14
 Location of DB: SH 5
TESTED BY Name (capitals): MARK HUDSON
 Signature: Date: 23/08/2019
 Position: Electrician

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.2.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.29.....)Ω I_{Δf} (8.47.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Ring final circuits only (measured end to end)		All circuits (complete at least one column)	Live / Live	Live / Earth	Test voltage DC	RCD	AFDD					
		Type of wiring (see Codes)	Reference Method (BS 7671)		Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)						R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18					>999	>999	500	✓	0.56		
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18					>999	>999	500	✓	0.48		
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82					>999	>999	500	✓	0.47		

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB15 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SH 3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.21.....)Ω Z_f (1.1.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.42		>999	>999	500	✓	0.69						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.23		>999	>999	500	✓	0.50						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.38		>999	>999	500	✓	0.65						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB16
 Location of DB: SH 4
TESTED BY Name (capitals): MARK HUDSON
 Position: Electrician
 Signature: Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (14X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.27.....)Ω I_{Δf} (901.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
		Type of wiring (see Codes)	Reference Method (BS 7671)																									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.45		>999	>999	500	✓	0.61						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.30		>999	>999	500	✓	0.46						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82			0.44		>999	>999	500	✓	0.60						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB17
 Location of DB: SH 2

TESTED BY Name (capitals): MARK HUDSON
 Signature:

Position: Electrician
 Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)

Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A

Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (13.7.....)ms

Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.16.....)Ω Z_f (1.44.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)

Insulation resistance: (.....) Earth fault loop impedance: (.....)

Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18					0.25	>999	>999	500	✓	0.41			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18					0.23	>999	>999	500	✓	0.39			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82					0.33	>999	>999	500	✓	0.49			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case) DB designation: DB18 TESTED BY Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SH 1 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: () Nominal voltage: (240) V No. of phases: (1)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (40) A
 Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (30) mA Operating time: (3.6) ms
 Characteristics at this DB Confirmation of supply polarity: () Phase sequence confirmed (where appropriate): Z_s (0.16) Ω Z_f (1.47) kA

TEST INSTRUMENTS (enter serial number against each instrument used)
 Multi-function: () Continuity: ()
 Insulation resistance: () Earth fault loop impedance: ()
 Earth electrode resistance: () RCD: ()

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Ring final circuits only (measured end to end)		All circuits (complete at least one column)	Live / Live	Live / Earth	Test voltage DC	RCD	AFDD								
		Type of wiring (see Codes)	Reference Method (BS 7671)		Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)						R _{ll}	(MΩ)	(MΩ)	(V)	
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.40		>1000	>1000	500	✓	0.80				
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.29		>1000	>1000	500	✓	0.69				
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82				0.44		>1000	>1000	500	✓	0.84				

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB19 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SC 6 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (18.1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.40.....)Ω I_{Δf} (0.58.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A)	(B)				(C)	(D)	(E)	(F)	(G)	(H)	(O)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		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	other - state							Live / Live	Live / Earth				Test voltage DC	(Line) r _l	(Neutral) r _n			(cpc) r _l
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)							(MΩ)	(MΩ)	(V)														
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.41		>999	>999	500	✓	1.00				
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.38		>999	>999	500	✓	0.87				
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.35		>999	>999	500	✓	0.94				

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB20 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SC 5 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.4X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.59.....)Ω I_{Δf} (4.17.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.44		>1000	>1000	500	✓	0.88						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.30		>1000	>1000	500	✓	0.74						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.46		>1000	>1000	500	✓	0.90						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB21 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SC 4 Signature: Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (2.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (2.....) I_{Δn} (30.....)mA Operating time: (18.2.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.44.....)Ω I_{Δf} (0.67.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.40		>999	>999	500	✓	0.88			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.30		>999	>999	500	✓	0.73			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.48		>999	>999	500	✓	0.91			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB22 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SC.3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (14.2.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.43.....)Ω I_{Δf} (58.1.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.44		>1000	>1000	500	✓	0.84						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.31		>1000	>1000	500	✓	0.70						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.71		>1000	>1000	500	✓	1.10						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB23 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SC 2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (13.6.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.39.....)Ω I_{Δf} (0.59.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
		Type of wiring (see Codes)	Reference Method (BS 7671)																									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.46		>1000	>1000	500	✓	0.84						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.31		>1000	>1000	500	✓	0.69						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.40		>1000	>1000	500	✓	0.78						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB24 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: SC 1 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (240.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (1.....) I_{Δn} (30.....)mA Operating time: (17.9.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.38.....)Ω Z_f (0.60.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.48		>999	>999	500	✓	0.83						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.33		>999	>999	500	✓	0.68						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.41		>999	>999	500	✓	0.76						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB25 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: MF1 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (230.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.35.....)Ω Z_f (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.54			>999	>999	500	✓	0.86		
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.21			>999	>999	500	✓	0.53		
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.47			>999	>999	500	✓	0.79		

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB26 TESTED BY Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: MF2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.32.....)Ω Z_f (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.28		>999	>999	500	✓	0.46						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.27		>999	>999	500	✓	0.45						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82			0.42		>999	>999	500	✓	0.60						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB27 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician

Location of DB: MF3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A

Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (18.3.....)ms

Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.18.....)Ω Z_f (1.25.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)

Insulation resistance: (.....) Earth fault loop impedance: (.....)

Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.44		>999	>999	500	✓	0.80			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.21		>999	>999	500	✓	0.57			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898 MCB	B	6	6		5.82				0.47		>999	>999	500	✓	0.83			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB28 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician

Location of DB: MF 4 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A

Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms

Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.36.....)Ω Z_f (.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)

Insulation resistance: (.....) Earth fault loop impedance: (.....)

Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A)	(B)				(C)	(D)	(E)	(F)	(G)	(H)	(O)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		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	other - state							Live / Live	Live / Earth				Test voltage DC	(Line) r _{ll}	(Neutral) r _{ln}			(cpc) r _{ll}
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)																							
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.29			>999	>999	500	✓	0.62			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.19			>999	>999	500	✓	0.52			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.35			>999	>999	500	✓	0.67			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB29 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: MF 5 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.33.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)



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

162227

ICR18

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.47		>999	>999	500	✓	0.82					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.16		>999	>999	500	✓	0.51					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.84		>999	>999	500	✓	1.19					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB30 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: MF 6 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.35.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Ring final circuits only (measured end to end)		All circuits (complete at least one column)	Live / Live	Live / Earth	Test voltage DC	RCD	AFDD							
		Type of wiring (see Codes)	Reference Method (BS 7671)		Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)						R _{ll}	(MΩ)	(MΩ)	(V)
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.26		>999	>999	500	✓	0.63			
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.22		>999	>999	500	✓	0.59			
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82				0.35		>999	>999	500	✓	0.72			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB31
 Location of DB: VH1

TESTED BY Name (capitals): MARK HUDSON
 Signature:

Position: Electrician
 Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A

Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms

Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.37.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)

Insulation resistance: (.....) Earth fault loop impedance: (.....)

Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.18		>999	>999	500	✓	0.65						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.11		>999	>999	500	✓	0.58						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.23		>999	>999	500	✓	0.70						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB32 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: VH 2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.47.....)Ω Z_{df} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.36		>999	>999	500	✓	0.74						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.32		>999	>999	500	✓	0.70						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82			0.41		>999	>999	500	✓	0.79						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB33 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: VH 3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.38.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.52		>999	>999	500	✓	1.15			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.22		>999	>999	500	✓	0.85			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.56		>999	>999	500	✓	1.19			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB34 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: VH 4 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.63.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.25		>999	>999	500	✓	0.67					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.47		>999	>999	500	✓	0.89					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.69		>999	>999	500	✓	1.11					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB35 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: VH 5 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.42.....)Ω Z_f (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.27		>999	>999	500	✓	0.67					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.24		>999	>999	500	✓	0.64					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.47		>999	>999	500	✓	0.87					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case) DB designation: DB36 TESTED BY Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: VH 6 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.40.....)Ω Z_f (.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.30		>999	>999	500	✓	0.89						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.23		>999	>999	500	✓	0.82						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.55		>999	>999	500	✓	1.14						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB37 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: VH 7 Signature: Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.59.....)Ω Z_f (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A)	(B)				(C)	(D)	(E)	(F)	(G)	(H)	(O)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.44		>999	>999	500	✓	0.77								
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.20		>999	>999	500	✓	0.53								
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82			0.40		>999	>999	500	✓	0.73								

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB38 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: LH 1 Signature: Date: 23/08/2019

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

Supply to DB is from: (DB 2 LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (30) mA Operating time: (7.8X1) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.33) Ω I_{Δf} (7.46) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.24		>999	>999	500	✓	0.55					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.27		>999	>999	500	✓	0.58					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.76		>999	>999	500	✓	0.87					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB39 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: LH 2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (230.....)V No. of phases: (1.....)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009.....) Rating: (40.....)A
Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.6X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.31.....)Ω Z_f (0.79.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	(ms)																					
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.25		>999	>999	500	✓	0.58								
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.19		>999	>999	500	✓	0.52								
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.38		>999	>999	500	✓	0.71								

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB40 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: LH 3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (DB 2 LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (30) mA Operating time: (7.3X1) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.28) Ω I_{Δf} (0.87) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.21		>999	>999	500	✓	0.53						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.2		>999	>999	500	✓	0.52						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.42		>999	>999	500	✓	0.74						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB41 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: LH 4 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (DB LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (30) mA Operating time: (7.2) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.32) Ω I_{Δf} (0.76) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)	RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								(Line) r _l				(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.27		>999	>999	500	✓	0.61			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.22		>999	>999	500	✓	0.58			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.49		>999	>999	500	✓	0.75			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB42 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: LH 5 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (DB 2 LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (30) mA Operating time: (7.8) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.36) Ω I_{Δf} (68.1) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.32		>999	>999	500	✓	0.66			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.30		>999	>999	500	✓	0.64			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.48		>999	>999	500	✓	0.82			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB43 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: LH 3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (DB 2 LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (.....) mA Operating time: (7.4) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (.....) Ω I_{Δf} (.....) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
		Type of wiring (see Codes)	Reference Method (BS 7671)																									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.46		>999	>999	500	✓	0.79					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.29		>999	>999	500	✓	0.62					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.36		>999	>999	500	✓	0.69					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB44 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: JS 1 Signature: Date: 23/08/2019

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

Supply to DB is from: (DB 2 LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (1) I_{Δn} (30) mA Operating time: (18.4) ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.33) Ω I_{Δf} (74.7) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	RCD	AFDD																				
		Circuit impedances (Ω)					Insulation resistance		Test buttons																									
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.31		200+	200+	500	✓	0.62	5.9	✓						
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.29		200+	200+	500	✓	0.61	5.9	✓						
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.38		200+	200+	500	✓	0.72	5.9	✓						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB45 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: JS 2 ABOVE DOOR Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (DB FIRST FLOOR CIR 11L1) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009) Rating: (40) A
Associated RCD (if any) Type: (BS EN) No. of poles: (2) I_{Δn} (30) mA Operating time: (19.9) ms
Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): Z_s (0.34) Ω Z_f (73.7) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: Continuity:
 (.....) (.....)
 Insulation resistance: Earth fault loop impedance:
 (.....) (.....)
 Earth electrode resistance: RCD:
 (.....) (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	30	2.18				0.60		200+	200+	500	✓	0.77	8.7	✓	
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	30	2.18				0.35		200+	200+	500	✓	0.57	8.7	✓	
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	30	5.82				0.45		200+	200+	500	✓	0.72	8.7		

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB46 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician

Location of DB: JS 3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (ABOVE DOOR IN RM) Nominal voltage: (.....) V No. of phases: (1.....)

Overcurrent protection device for the distribution circuit Type: (BS EN 61009 B.....) Rating: (40.....) A

Associated RCD (if any) Type: (BS EN.....) No. of poles: (2.....) I_{Δn} (30.....) mA Operating time: (20.....) ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): Z_s (0.26.....) Ω I_{Δf} (95.9.....) kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)

Insulation resistance: (.....) Earth fault loop impedance: (.....)

Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC	Ring final circuits only (measured end to end)	All circuits (complete at least one column)	RCD	AFDD									
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								(Line) r _l				(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18							200+	500	✓	0.72	8	✓	
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18							200+	500	✓	0.59	8	✓	
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82							200+	500	✓	0.83	8	✓	

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB47
 Location of DB: JS 4

TESTED BY Name (capitals): MARK HUDSON
 Signature:

Position: Electrician
 Date: 23/08/2019

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

Supply to DB is from: (DB 11L2 1ST FLOOR RISER) Nominal voltage: (230) V No. of phases: (1)

Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: () A

Associated RCD (if any) Type: (BS EN 61009) No. of poles: (2) I_{Δn} (30) mA Operating time: (9.9) ms

Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): Z_s (0.50) Ω Z_f (96.0) kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: () Continuity: ()

Insulation resistance: () Earth fault loop impedance: ()

Earth electrode resistance: () RCD: ()

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	(ms)																					
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	30	2.18				0.46		200+	200+	500	✓	0.76	8.9	✓						
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	30	2.18				0.33		200+	200+	500	✓	0.61	8.9	✓						
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	30	5.82				0.18		200+	200+	500	✓	0.29	8.9	✓						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB48 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: JS 5 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (DB 1ST FLOOR RISER CIR) Nominal voltage: (230) V No. of phases: (1)
Overcurrent protection device for the distribution circuit Type: (BS EN 61009 B) Rating: (40) A
Associated RCD (if any) Type: (BS EN 61009) No. of poles: (2) I_{Δn} (30) mA Operating time: (20) ms
Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): Z_s (0.10) Ω I_{Δf} () kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: () Continuity: ()
 Insulation resistance: () Earth fault loop impedance: ()
 Earth electrode resistance: () RCD: ()

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.41		>999	>999	500	✓	0.78						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.22		>999	>999	500	✓	0.59						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.29		>999	>999	500	✓	0.66						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB49 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: JS 6 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (14.2X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.37.....)Ω I_{Δf} (66.5.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.24			>999	>999	500	✓	0.63			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.28			>999	>999	500	✓	0.67			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.45			>999	>999	500	✓	0.84			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB50
 Location of DB: PR 1
TESTED BY Name (capitals): MARK HUDSON
 Position: Electrician
 Signature: Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.6X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.39.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.36		>999	>999	500	✓	0.89					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.32		>999	>999	500	✓	0.85					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.39		>999	>999	500	✓	0.92					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB51 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: PR 2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (18.2X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.53.....)Ω Z_f (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons		
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD						
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898 MCB	B	16	6	2.18				0.42		>999	>999	500	✓	1.05			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898 MCB	B	16	6	2.18				0.23		>999	>999	500	✓	0.86			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898 MCB	B	6	6	5.82				0.28		>999	>999	500	✓	0.91			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB52 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: PR 3 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (18.2X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.63.....)Ω Z_f (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)	✓	0.88																				
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)																						
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.30		>999	>999	500	✓	0.88								
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18				0.26		>999	>999	500	✓	0.84								
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.82				0.37		>999	>999	500	✓	0.95								

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB53
 Location of DB: PR 4

TESTED BY Name (capitals): MARK HUDSON
 Signature: Date: 23/08/2019

Position: Electrician

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A

Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.6X1.....)ms

Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.58.....)Ω Z_f (.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)

Insulation resistance: (.....) Earth fault loop impedance: (.....)

Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
					(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.19		>999	>999	500	✓	0.69						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.21		>999	>999	500	✓	0.71						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.37		>999	>999	500	✓	0.87						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB54
 Location of DB: PR 5
TESTED BY Name (capitals): MARK HUDSON
 Signature: Position: Electrician
 Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (14.2X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.50.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.38		>999	>999	500	✓	0.92						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.33		>999	>999	500	✓	0.87						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.44		>999	>999	500	✓	0.98						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB55
 Location of DB: PR 6
TESTED BY Name (capitals): MARK HUDSON
 Signature: Position: Electrician
 Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.2X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.54.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
		Type of wiring (see Codes)	Reference Method (BS 7671)																									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.33		>999	>999	500	✓	0.88						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.29		>999	>999	500	✓	0.84						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.35		>999	>999	500	✓	0.90						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case) DB designation: DB56 TESTED BY Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: PR 7 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (18.4X1.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.55.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
							(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)																			
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	500	✓	0.70								
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	500	✓	0.65								
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82					>999	>999	500	✓	0.91								

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB57 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB 7 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (74X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.39.....)Ω I_{Δf} (63.8.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.24		>999	>999	500	✓	0.65			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.19		>999	>999	500	✓	0.60			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.53		>999	>999	500	✓	0.94			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB58 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB 6 L2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.8X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.41.....)Ω I_{Δf} (604.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
							(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)							(V)										
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.26		>999	>999	500	✓	0.67								
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.18		>999	>999	500	✓	0.59								
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82			0.50		>999	>999	500	✓	0.91								

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB59 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB5 L2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.8X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.41.....)Ω I_{Δf} (599.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
		Type of wiring (see Codes)	Reference Method (BS 7671)																									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.39		>999	>999	500	✓	1.04					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18				0.04		>999	>999	500	✓	0.69					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82				0.32		>999	>999	500	✓	0.97					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB60 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB 4 L2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (8.1X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.65.....)Ω I_{Δf} (376.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.27		>999	>999	500	✓	0.66						
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6		2.18			0.21		>999	>999	500	✓	0.62						
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898 MCB	B	6	6		5.82			0.54		>999	>999	500	✓	0.93						

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB61 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB 3 L2 Signature: Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.8X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.41.....)Ω I_{Δf} (591.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)
1/L1	ROOM SOCKETS	A	C			4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.22		>999	>999	500	✓	0.66			
1/L2	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.16		>999	>999	500	✓	0.60			
1/L3	CONTACTOR / LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.49		>999	>999	500	✓	0.93			

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB62 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB2 L2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (8.3X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.44.....)Ω I_{Δf} (560.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)		Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1/L1	ROOM SOCKETS	A	C	4	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.25		>999	>999	500	✓	0.69					
1/L2	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.22		>999	>999	500	✓	0.65					
1/L3	CONTACTOR / LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.82				0.46		>999	>999	500	✓	0.89					

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB63 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: UB1 L2 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.8X10.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.43.....)Ω I_{Δf} (576.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons							
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}																				
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.13		>999	>999	✓	0.53											
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.51		>999	>999	✓	0.91											
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.11		>999	>999	✓	0.51											
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.27		>999	>999	✓	0.67											
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10		>999	>999	✓	0.47											
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.67		>999	>999	✓	1.07											
7																																
8																																
9																																
10																																

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB64 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 70 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.40.....)Ω Z_f (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.13		>999	>999	✓	0.64								
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.34		>999	>999	✓	0.85								
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10		>999	>999	✓	0.61								
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.11		>999	>999	✓	0.62								
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.16		>999	>999	✓	0.67								
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.40		>999	>999	✓	0.91								
7																													
8																													
9																													
10																													

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB65 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: ROOM 69 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.51.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons							
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)							(MΩ)												
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.15		>999	>999	✓	0.57											
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.51		>999	>999	✓	0.93											
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10		>999	>999	✓	0.52											
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.16		>999	>999	✓	0.58											
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.07		>999	>999	✓	0.49											
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.47		>999	>999	✓	0.89											
7																																
8																																
9																																
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DISTRIBUTION BOARD (DB) DETAILS DB designation: DB66 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 68 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.42.....)Ω Z_{df} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)																						
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.13		>999	>999	✓	0.63													
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.52		>999	>999	✓	1.02													
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.13		>999	>999	✓	0.63													
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.20		>999	>999	✓	0.70													
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.15		>999	>999	✓	0.65													
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.47		>999	>999	✓	0.97													
7																																		
8																																		
9																																		
10																																		

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB67 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 67 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.50.....)Ω Z_f (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons							
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	R _{ll}	R _{ln}	R _{ll}	(R _{ll} +R _{ln})	R _{ll}																				
		(Line) r _{ll}	(Neutral) r _{ln}				(cpc) r _{ll}						(MΩ)							(MΩ)												
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.21		>999	>999	✓	0.56											
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.46		>999	>999	✓	0.81											
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.19		>999	>999	✓	0.54											
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.27		>999	>999	✓	0.62											
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.21		>999	>999	✓	0.56											
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.44		>999	>999	✓	0.79											
7																																
8																																
9																																
10																																

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB68 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 66 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.35.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.11		>999	>999	✓	0.52				
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.33		>999	>999	✓	0.74				
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.08		>999	>999	✓	0.49				
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.22		>999	>999	✓	0.63				
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.10		>999	>999	✓	0.51				
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85				0.36		>999	>999	✓	0.77				
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB69 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: ROOM 65 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.41.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD				
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)		All circuits (complete at least one column)	
															(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)		(V)	
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.07		>999	>999	✓	0.55			
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.47		>999	>999	✓	0.95			
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.06		>999	>999	✓	0.54			
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.26		>999	>999	✓	0.74			
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.08		>999	>999	✓	0.56			
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.62		>999	>999	✓	1.10			
7																								
8																								
9																								
10																								

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB70 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 64 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.48.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}																									
1	OVEN	A	C			1	2.5	1.5	0.4	60898	MCB	B	20	6		1.74			0.12		>999	>999		✓	0.51									
2	ROOM SOCKETS	A	C			7	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.46		>999	>999		✓	0.85									
3	FRIDGE	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.09		>999	>999		✓	0.48									
4	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.28		>999	>999		✓	0.65									
5	HOB	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.14		>999	>999		✓	0.52									
6	CONTACTORS/LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.85			0.51		>999	>999		✓	0.89									
7																																		
8																																		
9																																		
10																																		

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB71 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 63 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.39.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD							
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)		All circuits (complete at least one column)				
																(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)		(MΩ)	(V)			
1	OVEN	A	C			1	2.5	1.5	0.4	60898	MCB	B	20	6		1.74			0.11		>999	>999		✓	0.55		
2	ROOM SOCKETS	A	C			7	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.48		>999	>999		✓	0.92		
3	FRIDGE	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.07		>999	>999		✓	0.51		
4	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.28		>999	>999		✓	0.72		
5	HOB	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.15		>999	>999		✓	0.59		
6	CONTACTORS/LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.85			0.53		>999	>999		✓	0.97		
7																											
8																											
9																											
10																											

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB72 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 62 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.44.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

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ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}																									
1	OVEN	A	C			1	2.5	1.5	0.4	60898	MCB	B	20	6		1.74			0.09		>999	>999		✓	0.51									
2	ROOM SOCKETS	A	C			7	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.44		>999	>999		✓	0.86									
3	FRIDGE	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.08		>999	>999		✓	0.50									
4	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.31		>999	>999		✓	0.73									
5	HOB	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.14		>999	>999		✓	0.56									
6	CONTACTORS/LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.85			0.49		>999	>999		✓	0.91									
7																																		
8																																		
9																																		
10																																		

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB73 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 61 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.42.....)Ω Z_f (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.11		>999	>999	✓	0.61					
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.33		>999	>999	✓	0.83					
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10		>999	>999	✓	0.60					
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.23		>999	>999	✓	0.73					
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.19		>999	>999	✓	0.69					
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.43		>999	>999	✓	0.93					
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB74 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: ROOM 60 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.50.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}																									
1	OVEN	A	C			1	2.5	1.5	0.4	60898	MCB	B	20	6		1.74			0.13		>999	>999		✓	0.52									
2	ROOM SOCKETS	A	C			7	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.54		>999	>999		✓	0.93									
3	FRIDGE	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.12		>999	>999		✓	0.51									
4	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.36		>999	>999		✓	0.73									
5	HOB	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6		2.18			0.17		>999	>999		✓	0.56									
6	CONTACTORS/LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6		5.85			0.59		>999	>999		✓	0.97									
7																																		
8																																		
9																																		
10																																		

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB75 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 59 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.39.....)Ω Z_f (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD						
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)				All circuits (complete at least one column)	
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)														
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74					>999	>999	✓	0.45					
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.64					
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.3.2					
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.43					
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.34					
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85					>999	>999	✓	0.63					
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB76 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 58 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.25.....)Ω I_{Δf} (964.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons									
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)				Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)	(V)																						
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.12	>999	>999	✓	0.51														
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.50	>999	>999	✓	0.89														
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10	>999	>999	✓	0.49														
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.32	>999	>999	✓	0.71														
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.16	>999	>999	✓	0.55														
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.54	>999	>999	✓	0.93														
7																																		
8																																		
9																																		
10																																		

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB77 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 57 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.39.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.14	>999	>999	✓	0.48						
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.42	>999	>999	✓	0.76						
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.11	>999	>999	✓	0.45						
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.35	>999	>999	✓	0.69						
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.17	>999	>999	✓	0.51						
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.49	>999	>999	✓	0.83						
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB78 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 56 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.34.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons		
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD						
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74					>999	>999	500	✓	0.32					
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	500	✓	0.61					
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	500	✓	0.26					
4	HEATER	A	C	1	2.5	1.5	0.4	60947-2	MCB	B	16	10	0					>999	>999	500	✓	0.51					
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	500	✓	0.30					
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60947-2	MCB	B	6	10	0					>999	>999	500	✓	0.62					
7																											
8																											
9																											
10																											

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB79 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 55 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.22.....)Ω I_{Δf} (996.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.12		>999	>999	✓	0.55								
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.58		>999	>999	✓	1.01								
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10		>999	>999	✓	0.53								
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.28		>999	>999	✓	0.71								
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.16		>999	>999	✓	0.59								
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.50		>999	>999	✓	0.93								
7																													
8																													
9																													
10																													

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB80 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 54 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.43.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons		
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD						
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}
1	OVEN	A	C			1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.14		>999	>999	✓	0.55				
2	ROOM SOCKETS	A	C			7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.40		>999	>999	✓	0.81				
3	FRIDGE	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.11		>999	>999	✓	0.52				
4	HEATER	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.29		>999	>999	✓	0.70				
5	HOB	A	C			1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.18		>999	>999	✓	0.59				
6	CONTACTORS/LIGHTS	A	C			3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.58		>999	>999	✓	0.99				
7																											
8																											
9																											
10																											

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB81 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 53 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.41.....)Ω I_{Δf} (.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD				
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)		All circuits (complete at least one column)	
																(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)		(MΩ)	(V)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.05		>999	>999	✓	0.62			
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.22		>999	>999	✓	0.79			
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.04		>999	>999	✓	0.61			
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.15		>999	>999	✓	0.72			
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.13		>999	>999	✓	0.70			
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.38		>999	>999	✓	0.95			
7																								
8																								
9																								
10																								

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case) DB designation: DB82 Location of DB: ROOM 52 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (DB 2 LEVEL 2) Nominal voltage: (230) V No. of phases: (1)
 Overcurrent protection device for the distribution circuit Type: (BS EN 61009) Rating: (40) A
 Associated RCD (if any) Type: (BS EN) No. of poles: () I_{Δn} (30) mA Operating time: (7.4X1) ms
 Characteristics at this DB Confirmation of supply polarity: () Phase sequence confirmed (where appropriate): Z_s (0.57) Ω I_{Δf} (430A) kA

TEST INSTRUMENTS (enter serial number against each instrument used)
 Multi-function: () Continuity: ()
 Insulation resistance: () Earth fault loop impedance: ()
 Earth electrode resistance: () RCD: ()

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			RCD	AFDD	
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	Live / Live (MΩ)							Live / Earth (MΩ)	Test voltage DC (V)									
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.10		>999	>999	✓	0.48									
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.30		>999	>999	✓	0.68									
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.03		>999	>999	✓	0.41									
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.22		>999	>999	✓	0.60									
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.09		>999	>999	✓	0.47									
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.61		>999	>999	✓	0.99									
7																														
8																														
9																														
10																														

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB83 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 51 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.38.....)Ω I_{Δf} (636.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD				
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)		All circuits (complete at least one column)	
															(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)		(V)	
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74				0.08	>999	>999	✓	0.54			
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.24	>999	>999	✓	0.70			
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.04	>999	>999	✓	0.50			
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.26	>999	>999	✓	0.72			
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18				0.02	>999	>999	✓	0.48			
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85				0.65	>999	>999	✓	1.01			
7																								
8																								
9																								
10																								

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB84 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 50 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.4X1.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.46.....)Ω I_{Δf} (540.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.02	>999	>999	✓	0.50						
2	ROOM SOCKETS + HEATER	A	C	3	2.5	1.5	0.4	60898	MCB	B	20	6	2.18			0.21	>999	>999	✓	0.69						
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.01	>999	>999	✓	0.49						
4	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.04	>999	>999	✓	0.52						
5	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.42	>999	>999	✓	0.90						
6																										
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case) DB designation: DB85 Location of DB: ROOM 49 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.4X1.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.48.....)Ω I_{Δf} (515.....)kA

TEST INSTRUMENTS (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons		
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)		All circuits (complete at least one column)		
		(Line) r _l	(Neutral) r _n				(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)														
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74	0.10	>999	>999	✓	0.58							
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18	0.15	>999	>999	✓	0.63							
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18	0.04	>999	>999	✓	0.52							
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18	0.09	>999	>999	✓	0.57							
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18	0.01	>999	>999	✓	0.49							
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85	0.43	>999	>999	✓	0.91							
7																									
8																									
9																									
10																									

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB86 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 Location of DB: ROOM 48 Signature: [Signature] Date: 23/08/2019

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

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.0X1.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.48.....)Ω I_{Δf} (519.....)kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

ELECTRICAL INSTALLATION CERTIFICATE

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PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74					>999	>999	✓	0.57					
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.68					
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.51					
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.61					
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18					>999	>999	✓	0.49					
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85					>999	>999	✓	0.92					
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB87 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 47 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (30.....)mA Operating time: (7.4X1.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.49.....)Ω I_{Δf} (503.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD								
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.11		>999	>999	✓	0.52								
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.30		>999	>999	✓	0.71								
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.06		>999	>999	✓	0.47								
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.28		>999	>999	✓	0.69								
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.08		>999	>999	✓	0.49								
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.53		>999	>999	✓	0.94								
7																													
8																													
9																													
10																													

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB88 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 46 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.41.....)Ω I_{Δf} (605.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)		RCD	AFDD					
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)					(Line) r _l	(Neutral) r _n						(cpc) r _l	(R _l +R _n)
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.03	>999	>999	✓	0.59						
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.27	>999	>999	✓	0.83						
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.02	>999	>999	✓	0.58						
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.23	>999	>999	✓	0.79						
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.10	>999	>999	✓	0.66						
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.38	>999	>999	✓	0.94						
7																										
8																										
9																										
10																										

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB89 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 45 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.56.....)Ω I_{Δf} (447.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons	
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit				(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Live / Live	Live / Earth	Test voltage DC (V)	Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD	AFDD				
		Live (mm ²)	cpc (mm ²)				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)								Ring final circuits only (measured end to end)		All circuits (complete at least one column)	
															(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}	(MΩ)	(MΩ)		(V)	
1	OVEN	A	C	1	2.5	1.5	0.4	60898	MCB	B	20	6	1.74			0.13		>999	>999	✓	0.61			
2	ROOM SOCKETS	A	C	7	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.34		>999	>999	✓	0.82			
3	FRIDGE	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.11		>999	>999	✓	0.59			
4	HEATER	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.32		>999	>999	✓	0.80			
5	HOB	A	C	1	2.5	1.5	0.4	60898	MCB	B	16	6	2.18			0.15		>999	>999	✓	0.63			
6	CONTACTORS/LIGHTS	A	C	3	1.5	1	0.4	60898	MCB	B	6	6	5.85			0.47		>999	>999	✓	0.95			
7																								
8																								
9																								
10																								

DISTRIBUTION BOARD (DB) DETAILS DB designation: DB90 **TESTED BY** Name (capitals): MARK HUDSON Position: Electrician
 (to be completed in every case) Location of DB: ROOM 45 Signature: [Signature] Date: 23/08/2019

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
 Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)
 Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: (.....)A
 Associated RCD (if any) Type: (BS EN) No. of poles: (.....) I_{Δn} (.....)mA Operating time: (.....)ms
 Characteristics at this DB Confirmation of supply polarity: (.....) Phase sequence confirmed (where appropriate): Z_s (0.48.....)Ω Z_f (516.....)kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)
 Multi-function: (.....) Continuity: (.....)
 Insulation resistance: (.....) Earth fault loop impedance: (.....)
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing:

CODES For Type of wiring		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state														
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Protective device				RCD Operating current, I _{Δn} Maximum permitted Z _s for installed protective device*	Circuit impedances (Ω)			Insulation resistance			Polarity Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons				
					Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)		Short-circuit capacity (kA)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)				Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
													(Line) r _l	(Neutral) r _n	(cpc) r _l	(R _l +R _n)	R _{ll}							

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB091--
 Location of DB: ROOM 44

TESTED BY Name (capitals):
 Signature:

Position:
 Date:

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

Supply to DB is from: () Nominal voltage: () V No. of phases: ()

Overcurrent protection device for the distribution circuit Type: (BS EN) Rating: () A

Associated RCD (if any) Type: (BS EN) No. of poles: () I_{Δn} () mA Operating time: () ms

Characteristics at this DB Confirmation of supply polarity: () Phase sequence confirmed (where appropriate): Z_s () Ω Z_{df} () kA

TEST INSTRUMENTS
 (enter serial number against each instrument used)

Multi-function: () Continuity: ()

Insulation resistance: () Earth fault loop impedance: ()

Earth electrode resistance: () RCD: ()

Original to the person ordering the work



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

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ELECTRICAL INSTALLATION CERTIFICATE

ADDITIONAL NOTES

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(see additional page No. N/A)

Original to the person ordering the work

NOTES FOR RECIPIENT

THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

If you were the person ordering the work, but not the user of the installation, you should pass this certificate, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, BS 7671: 2018 (as amended) - Requirements for Electrical Installations (the IET Wiring Regulations).

Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested every six months. For safety reasons it is important that this instruction is followed.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC* recommends that you engage the services of an NICEIC Approved Contractor for this purpose. The maximum interval recommended before the next inspection is stated in PART 3. There should be a notice at or near the main switchboard or distribution board indicating the date when the next inspection is due.

Only an NICEIC Approved Contractor or Conforming Body responsible for the construction of the electrical installation is authorised to issue this NICEIC Electrical Installation Certificate.

The certificate, which consists of at least six numbered pages, is only valid if accompanied by the Schedule of Items Inspected and the Schedule of Circuit Details and Test Results. The certificate has a printed seven-digit serial number which is traceable to the Approved Contractor to which it was supplied by NICEIC.

For installations having more than one distribution board (or consumer unit) or more circuits than can be recorded on Page 6, one or more additional Schedules of Circuit Details and Test Results, should form part of the certificate.

This certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation, or for the replacement of a distribution board (or consumer unit). It should not have been issued for the inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such a periodic inspection.

This certificate should not have been issued for electrical work in a potentially explosive atmosphere (hazardous area) unless the Approved Contractor holds an appropriate extension to their NICEIC registration for such work.

You should have received the certificate marked 'Original' and the Approved Contractor should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be retained in a safe place and shown to any skilled person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new user that the electrical installation complied with the requirements of BS 7671 at the time the certificate was issued.

The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this certificate, together with schedules, is included in the project health and safety documentation.

Page 1 and 2 of this certificate provide details of the electrical installation, together with the name(s) and signature(s) of the person(s) certifying the three elements of installation work: design, construction and inspection and testing, and page 3 identifies the organisation(s) responsible for the work certified by their representative(s).

Certification for inspection and testing provides an assurance that the electrical installation work has been fully inspected and tested, and that the electrical work has been carried out in accordance with the requirements of BS 7671: 2018 (as amended) (except for any departures sanctioned by the designer and appended to the certificate).

Where responsibility for the design, the construction and the inspection and testing of the electrical work is divided between the Approved Contractor and one or more other bodies, the division of responsibility should have been established and agreed before commencement of the work. In such a case, NICEIC considers that the absence of certification for the construction, or the inspection and testing elements of the work would render the certificate invalid. If the design section of the certificate has not been completed, NICEIC recommends that you question why those responsible for the design have not certified that this important element of the work is in accordance with BS 7671.

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) in accordance with British Standards BS 5839 and BS 5266 respectively, this electrical safety certificate should be accompanied by a separate certificate or certificates as prescribed by those standards.

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, an additional page should have been provided which gives the relevant information relating to each additional source, and to the associated earthing arrangements and main switchgear.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate), have reason to believe that any element of the work for which the Approved Contractor has accepted responsibility (as indicated by the signatures on this certificate) does not comply with BS 7671: 2018 (as amended), the client should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

** NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).*

For further information about electrical safety and how NICEIC can help you, visit www.niceic.com