

# ELECTRICAL INSTALLATION CONDITION REPORT

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

Original to the person ordering the work

## PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

### DETAILS OF THE CONTRACTOR

Registration No: 026620 Branch No: \_\_\_\_\_  
 Trading Title: WEBSTER THOMAS ELECTRICAL LTD  
 Address: UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT  
 Postcode: ME1 1PH Tel No: 01634 818074

### DETAILS OF THE CLIENT

Contractor Reference Number (CRN): \_\_\_\_\_  
 Name: St Dunstons OPco Ltd  
 Address: 20 St Dunstans Hill, London  
 Postcode: EC3R 8HL Tel No: \_\_\_\_\_

### DETAILS OF THE INSTALLATION

Occupier: <default address>  
 Address: 20 St Dunstans Hill, London  
 Postcode: EC3R 8HL Tel No: \_\_\_\_\_

## PART 2 : PURPOSE OF THE REPORT

### Purpose for which this report is required:

TO CARRY OUT AS PER CLIENT REQUEST FOR ONGOING HEALTH AND SAFETY.

(see additional page No. N/A)

Date(s) when inspection and testing was carried out: (28/10/2019) Records available: (Yes) Previous inspection report available: (Yes) Previous report date: (03/09/2015)

## PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

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

GOOD

(see additional page No. N/A)

Estimated age of electrical installation: (5) years Evidence of additions or alterations: (Yes) Overall assessment of the installation is: **Satisfactory**

## PART 4 : DECLARATION

### INSPECTION AND TESTING

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 7, having exercised reasonable skill and care when carrying out the inspection and testing of the existing installation, hereby CERTIFY that the information in this report, including the observations (page 2) and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.

Name (capitals): GARY BARDRICK Signature:  Date: 28/11/2019

### REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR THE APPROVED CONTRACTOR

Name (capitals): OWEN THOMAS Signature:  Date: 28/11/2019

*\*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified in PART 6, or that Further Investigation (CODE F1) without delay is required.*



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## PART 5 : NEXT INSPECTION

I/We (as indicated on page 1) recommend, subject to the necessary remedial work being taken, this installation should be further inspected and tested after an interval of not more than .....

**Give reason for recommendation:** ..... (see additional page No. N/A)

## PART 6 : OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

**CODES:** *One of the following Codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the electrical installation the degree of urgency for remedial action*

<b>CODE C1 'Danger Present'</b> Risk of injury. Immediate remedial action required	<b>CODE C2 'Potentially Dangerous'</b> Urgent remedial action required	<b>CODE C3</b> 'Improvement Recommended'	<b>CODE FI</b> 'Further Investigation Required'
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**Referring to the Schedule of Items Inspected (see PART 10), the attached Schedule of Circuit Details and Test Results (see PART 12), and subject to any agreed limitations listed in PART 7:**

There are no items adversely affecting electrical safety  , OR The following observations and recommendations for action are made:

Item No	Observation(s)	Code	Location Reference
1	UNABLE TO REACH SPUR ABOVE CEILING	C3	DB/W/SP/GND 4L3
2	UNKNOWN CIRCUIT IDENTIFIED AS TV'S	C3	DB/W/SP/GND 4L1
3	NO MEANS OF ISOLATION ON CIRCUIT	C3	DB/E/SP/GND 3L2
4	UNKNOWN CIRCUIT IDENTIFIED AS TV'S	C3	DB/SP/LG 3L2

Additional pages? (N/A) State page numbers: (N/A)

**Immediate action required** for items: (.....) **Improvement recommended** for items: (1, 2, 3, 4)

**Urgent remedial action required** for items: (.....) **Further investigation required** for items: (.....)

*\*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 7 : DETAILS AND LIMITATIONS OF THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection.

**Details of the installation covered by this report:**

TO INSPECT AND TEST THE FOLLOWING BOARD: DB/LT/LG, DB/W/LT/1, DB/W/SP/1, DB/W/SP/GND, DB/E/LT/GND, DB/E/SP/GND, DB/E/SP/1, DB/E/LT/1, DB/W/SP/2, DB/W/LT/2, DB/E/SP/2, DB/E/LT/2, DB/SP/LG, DB/W/SP/B, DB/W/LT/B, DB/W/LT/GND.

(see additional page No. N/A)

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

30% OF INSTALLATION TESTED AS AGREED WITH CLIENT. TO TEST THE REST OF THE BOARDS IN 1YEARS TIME.

(see additional page No. N/A)

Agreed with (print name): .....

**Extent of sampling:** .....

(see additional page No. N/A)

**Operational limitations including the reasons:** .....

(see additional page No. N/A)

## PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

**System type and earthing arrangements**

TN-C-S:  TN-S:  TT:

Other (state): .....

**Supply protective device**

(BS (EN) 88 .....

Type: (JS .....) Rated current: (600 .....)A

**Number and type of live conductors**

**AC** 1-phase, 2-wire:  2-phase, 3-wire:

3-phase, 3-wire:  3-phase, 4-wire:

**DC** 2-wire:  3-wire:  Other: (.....)

Confirmation of supply polarity: ( ✓ )

Other sources of supply: (as detailed on attached schedule) Page No: (.....)

**Nature of supply parameters**

Nominal line voltage,  $U_l^{(1)}$ : (400 .....) V

Nominal line voltage to Earth,  $U_0^{(1)}$ : (230 .....) V

Nominal frequency,  $f^{(1)}$ : (50 .....) Hz

Prospective fault current,  $I_{pf}^{(1)*}$ : (3.9 .....) kA

External loop impedance,  $Z_e^{(1)*}$ : (0.13 .....)  $\Omega$

<sup>(1)</sup> By enquiry, measurement, or by calculation

## PART 9 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

**Means of Earthing**

Distributor's facility: ( ✓ )

Installation earth electrode: ( )

**Where an earth electrode is used insert**

Type - rod(s), tape, etc: (.....)

Location: (.....)

Electrode resistance to Earth: (.....)  $\Omega$

**Main protective conductors**

Earthing conductor: (material Copper ..... csa 300 ..... mm<sup>2</sup>)

Connection / continuity verified:

Main protective bonding conductors: (material Copper ..... csa 50 ..... mm<sup>2</sup>)

Connection / continuity verified:

**Main protective bonding connections**

Water installation pipes: ( ✓ )

Gas installation pipes: ( ✓ )

Structural steel: ( )

Oil installation pipes: ( )

Lightning protection: ( ✓ )

Other (state): .....

**Main switch / Switch-fuse / Circuit-breaker / RCD**

Type: (BS (EN) 60947-2 .....

Location: (.....)

No. of poles: (4 .....) Rating / setting of device: (.....) A

Current rating: (600 .....)A Voltage rating: (230 .....) V

**Where an RCD is used as the main switch**

RCD rated residual operating current,  $I_{\Delta n}$ : (.....) mA

Measured operating time: (.....) ms Rated time delay: (.....) ms

\*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.

**All fields must be completed.** Enter either, as appropriate: ' ✓ ' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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## PART 10 : SCHEDULE OF ITEMS INSPECTED

<b>1. External condition of electrical intake equipment (visual inspection only)</b> (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority.)	<b>4. Other methods of protection</b> Details should be provided on separate sheets: Page No. (.....)	(N/A)		
1.1 Service cable: ( ✓ )	<b>5. Distribution equipment</b>			5.24 Single-pole switching or protective devices in line conductors only: ( ✓ )
1.2 Service head: ( ✓ )	5.1 Adequacy of working space / accessibility of equipment: ( ✓ )			5.25 Protection against mechanical damage where cables enter equipment: ( ✓ )
1.3 Earthing arrangement: ( ✓ )	5.2 Security of fixing: ( ✓ )			5.26 Protection against electromagnetic effects where cables enter ferromagnetic enclosures: ( ✓ )
1.4 Meter tails: ( ✓ )	5.3 Condition of insulation of live parts: ( ✓ )			
1.5 Metering equipment: ( ✓ )	5.4 Adequacy / security of barriers: ( ✓ )			<b>6. Distribution / final circuits</b>
1.6 Isolator (where present): ( ✓ )	5.5 Condition of enclosure(s) in terms of IP rating: ( ✓ )			6.1 Identification of conductors: ( ✓ )
<b>2. Presence of adequate arrangements for parallel or switched alternative sources</b>	5.6 Condition of enclosure(s) in terms of fire rating: ( ✓ )			6.2 Cables correctly supported throughout their length: ( ✓ )
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply: (N/A)	5.7 Enclosure not damaged / deteriorated so as to impair safety: ( ✓ )			6.3 Condition of insulation of live parts: ( ✓ )
2.2 Adequate arrangements where generating set operates in parallel with the public supply: (N/A)	5.8 Presence and effectiveness of obstacles: (N/A)			6.4 Non-sheathed cables protected by enclosures in conduit, ducting or trunking: ( ✓ )
2.3 Presence of alternative / additional supply arrangement warning notice(s) at or near equipment, where required: (N/A)	5.9 Presence of main switch(es), linked where required: ( ✓ )			6.5 Suitability of containment systems for continued use (including flexible conduit): ( ✓ )
<b>3. Automatic disconnection of supply</b>	5.10 Operation of main switch(es) (functional check): ( ✓ )			6.6 Cables correctly terminated in enclosures (indicate extent of sampling in PART 7 of report): ( ✓ )
3.1 Main earthing and bonding arrangements	5.11 Correct identification of circuit protective devices: ( ✓ )			6.7 Indication of SPD(s) continued functionality confirmed: ( ✓ )
a) Presence and condition of distributor's earthing arrangement: ( ✓ )	5.12 Adequacy of protective devices for prospective fault current: ( ✓ )			6.8 Adequacy of AFDD(s), where specified: (N/A)
b) Presence and condition of earth electrode arrangement, if present: ( ✓ )	5.13 RCD(s) provided for fault protection – includes RCBOs: ( ✓ )			6.9 Confirmation that conductor connections, including connections to busbars are correctly located in terminals and are tight and secure: ( ✓ )
c) Adequacy of earthing conductor size: ( ✓ )	5.14 RCD(s) provided for additional protection – includes RCBOs: ( ✓ )			6.10 Examination of cables for signs of unacceptable thermal and mechanical damage / deterioration: ( ✓ )
d) Adequacy of earthing conductor connections: ( ✓ )	5.15 RCD(s) provided for protection against fire – includes RCBOs: (N/A)			6.11 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation: ( ✓ )
e) Accessibility of earthing conductor connections: ( ✓ )	5.16 Manual operation of circuit-breakers and RCDs to prove disconnection: ( ✓ )			6.12 Adequacy of protective devices; type and rated current for fault protection: ( ✓ )
f) Adequacy of main protective bonding conductor size(s): ( ✓ )	5.17 Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) ( ✓ )			6.13 Presence and adequacy of circuit protective conductors: ( ✓ )
g) Adequacy of main protective bonding conductor connections: ( ✓ )	5.18 Presence of RCD six-monthly retest notice at or near equipment, where required: ( ✓ )			6.14 Co-ordination between conductors and overload protective devices: ( ✓ )
h) Accessibility of main protective bonding connections: ( ✓ )	5.19 Presence of diagrams, charts or schedules at or near equipment, where required: ( ✓ )			6.15 Cable installation methods / practices appropriate to the type and nature of installation and external influences: ( ✓ )
i) Accessibility and condition of other protective bonding connections: ( ✓ )	5.20 Presence of non-standard (mixed) cable colour warning notices at or near equipment, where required: ( ✓ )			6.16 Cables where exposed to direct sunlight, of a suitable type or adequately protected against solar radiation: ( ✓ )
j) Provision of earthing / bonding labels at all appropriate locations: ( ✓ )	5.21 Presence of next inspection recommendation label: ( ✓ )			6.17 Cables adequately protected against damage and abrasion: ( ✓ )
3.2 FELV	5.22 All other required labelling provided: ( ✓ )			
a) Source providing at least simple separation: (N/A)	5.23 Compatibility of protective device(s), base(s) and other components: (N/A)			
b) Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises: (N/A)				

**All fields must be completed.** Enter either, as appropriate: ' ✓ ' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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<p>6.18 Provision of additional protection by an RCD not exceeding 30 mA</p> <p>a) For all socket-outlets with a rated current not exceeding 32 A, unless exempt: ( ✓ )</p> <p>b) Supplies for mobile equipment with a rated current 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: ( N/A )</p> <p>e) Circuits supplying luminaires within domestic (household) premises: ( N/A )</p> <p><i>Note: Older installations designed prior to BS 7671: 2018 may not have been provided with RCDs for additional protection.</i></p> <p>6.19 Provision of fire barriers, sealing arrangements and protection against thermal effects: ( ✓ )</p> <p>6.20 Band II cables segregated / separated from Band I cables: ( ✓ )</p> <p>6.21 Cables segregated / separated from non-electrical services: ( ✓ )</p> <p>6.22 Termination of cables at enclosures (indicate extent of sampling in PART 7 of report)</p> <p>a) Connections under no undue strain: ( ✓ )</p> <p>b) No basic insulation of a conductor, visible outside an enclosure: ( ✓ )</p> <p>c) Connections of live conductors adequately enclosed: ( ✓ )</p> <p>d) Adequacy of connection at point of entry to enclosure: ( ✓ )</p> <p>6.23 Temperature rating of cable insulation adequate: ( ✓ )</p> <p>6.24 Condition of accessories including socket-outlets, switches and joint boxes satisfactory: ( ✓ )</p> <p>6.25 Suitability of accessories for external influences: ( ✓ )</p>	<p>6.26 Single-pole switching or protective devices in line conductors only: ( ✓ )</p> <p>6.27 Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment: ( ✓ )</p> <p><b>7. Isolation and switching</b></p> <p>7.1 Isolators</p> <p>a) Presence and condition of appropriate devices: ( ✓ )</p> <p>b) Acceptable location (local / remote): ( ✓ )</p> <p>c) Capable of being secured in the OFF position: ( ✓ )</p> <p>d) Correct operation verified: ( ✓ )</p> <p>e) Clearly identified by position and / or durable markings: ( ✓ )</p> <p>f) Warning label posted in situations where live parts cannot be isolated by the operation of a single device: ( ✓ )</p> <p>7.2 Switching off for mechanical maintenance</p> <p>a) Presence and condition of appropriate devices: ( ✓ )</p> <p>b) Acceptable location: ( C3 )</p> <p>c) Capable of being secured in the OFF position: ( ✓ )</p> <p>d) Correct operation verified: ( ✓ )</p> <p>e) Clearly identified by position and / or durable marking(s): ( ✓ )</p> <p>7.3 Emergency switching off / stopping</p> <p>a) Presence and condition of appropriate devices: ( N/A )</p> <p>b) Readily accessible for operation where danger might occur: ( N/A )</p> <p>c) Correct operation verified: ( N/A )</p> <p>7.4 Functional switching</p> <p>a) Presence and condition of appropriate devices: ( N/A )</p> <p>b) Correct operation (functionality) verified: ( N/A )</p>	<p><b>8. Current-using equipment (permanently connected)</b></p> <p>8.1 Condition of equipment in terms of IP rating: ( ✓ )</p> <p>8.2 Equipment does not constitute a fire hazard: ( ✓ )</p> <p>8.3 Enclosure not damaged / deteriorated so as to impair safety: ( ✓ )</p> <p>8.4 Suitability for the environment and external influences: ( ✓ )</p> <p>8.5 Security of fixing: ( ✓ )</p> <p>8.6 Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: ( ✓ )</p> <p>List number and location of luminaires inspected on a separate page: Page No. (.....)</p> <p>8.7 Recessed luminaires (e.g. downlighters)</p> <p>a) Correct type of lamps fitted: ( ✓ )</p> <p>b) Installed to minimise build-up of heat: ( ✓ )</p> <p>c) No signs of overheating to surrounding building fabric: ( ✓ )</p> <p>d) No signs of overheating to conductors / terminations: ( ✓ )</p> <p><b>9. List all special installations or locations covered by this report:</b></p> <p>..... (N/A)</p> <p>..... (N/A)</p> <p>..... (N/A)</p> <p>..... (N/A)</p> <p><i>Indicate if the relevant requirements of Part 7 are satisfied and append results of inspection on a separate numbered page.</i></p> <p><b>SCHEDULE OF ITEMS INSPECTED BY</b></p> <p>Name (capitals): .....</p> <p>Signature: ..... Date: .....</p>
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## PART 11 : 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 9. 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 report (see Regulation 653.2).

**All fields must be completed.** Enter either, as appropriate: ' ✓ ' if Acceptable condition; ' N/A ' if Not applicable; ' LIM ' if a Limitation exists; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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## PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING			Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD			
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)
		r <sub>1</sub>	r <sub>n</sub>				r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)												
1/L1	LIGHTING LCM'S - LIFT LOBBY	O	B	1	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.18	>200	>200	>200	✓	0.36					
1/L2	LIGHTING LCM'S - WC	O	B	1	2.5	2.5	0.4	61009	RCD/RCBO	C	10	10	30	2.19	0.20	>200	>200	>200	✓	0.38	27.7	✓		
1/L3	STORE ROOM	O	B	1	2.5	2.5	0.4	61009	RCD/RCBO	C	10	10	30	2.19	0.37	>200	>200	>200	✓	0.54	28.7	✓		
2/L1	LIGHTING LCM'S - DIMMER MODULE MIDDLE	D	B	18	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.01	>200	>200	>200	✓	0.16					
2/L2	LIGHTING LCM'S - DIMMER MODULE TOP	D	B	24	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.01	>200	>200	>200	✓	0.16					
2/L3	LIGHTING - CORRIDOR PIR	O	B	7	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.70	>200	>200	>200	✓	0.81					
3/L1	LIGHTING - AREA CONTROLLERS	D	B	2	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.01	>200	>200	>200	✓	0.12					
3/L2	LIGHTING - CORRIDOR FAR END	O	B	19	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.84	>200	>200	>200	✓	0.93					
3/L3	LIGHTING LCM'S - MEETING ROOMS	O	B	3	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.32	>200	>200	>200	✓	0.43					
4/L1	LIGHTING LCM'S - STORE ROOM WEST	O	B	1	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.16	>200	>200	>200	✓	0.26					
4/L2	LIGHTING - CORRIDOR MAIN END	O	B	18	2.5	2.5	0.4	60898	MCB	C	6	10	3.64	0.32	>200	>200	>200	✓	0.96					
4/L3	LIGHTING LCM'S - MEETING ROOMS	O	B	2	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.68	>200	>200	>200	✓	0.78					
5/L1	LIGHTING AC OUTSIDE	O	B	1	2.5	2.5	0.4	60898	MCB	C	6	10	3.64	0.56	>200	>200	>200	✓	0.64					
5/L2	CORRIDOR LED STRIP	O	B	2	2.5	2.5	0.4	60898	MCB	D	16	10	0.68	0.52	>200	>200	>200	✓	0.62					
5/L3	KITCHEN SALON LIGHTS	O	B	2	2.5	2.5	0.4	60898	MCB	C	10	10	2.19	0.55	>200	>200	>200	✓	0.65					
6/L1	KWH METER	D	B	1	1.0	1.0	0.4	60898	MCB	C	2	10	10.93	0.01	>200	>200	>200	✓	0.10					
6/L2	KWH METER	D	B	1	1.0	1.0	0.4	60898	MCB	C	2	10	10.93	0.01	>200	>200	>200	✓	0.10					
6/L3	KWH METER	D	B	1	1.0	1.0	0.4	60898	MCB	C	2	10	10.93	0.01	>200	>200	>200	✓	0.10					

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

DB designation: DB/LT/LG      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: LOWER GROUND FLOOR STORE      Signature:      Date: 28/10/2019

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

Supply to DB is from: (MCCB 2)      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<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.10.....) Ω      I<sub>Δf</sub> (3.91.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

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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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)											
		(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>				(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)															
1/L1	LIGHTING LCM - CORRIDOR	0	B	7	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.60	>200	>200	>200	✓	0.80					
1/L2	LIGHTING LCM - ROOM 1.01,1.02	0	B	2	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.39	>200	>200	>200	✓	0.55					
1/L3	LIGHTING LCM - ROOM 1.16	0	B	3	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.39	>200	>200	>200	✓	0.42					
2/L1	LIGHTING LCM - CORRIDOR	0	B	5	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.68	>200	>200	>200	✓	0.66					
2/L2	LIGHTING LCM - ROOM 1.18, 1.19	0	B	3	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.61	>200	>200	>200	✓	0.64					
2/L3	LIGHTING LCM - WC	0	B	2	2.5	2.5	0.4	61009	RCD/RCBO	C	10	10	2.19				0.60	>200	>200	>200	✓	0.58	38.8				
3/L1	SPARE																										
3/L2	LIGHTING LCM - LIFT LOBBY, DISABLED WC	0	B	2	2.5	2.5	0.4	61009	RCD/RCBO	C	10	10	2.19				0.53	>200	>200	>200	✓	0.56	38.8				
3/L3	LIGHTING - LIFT ENTRANCE DOWNLIGHTS	0	B	1	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.39	>200	>200	>200	✓	0.49					
4/L1	SPARE																										
4/L2	SPARE																										
4/L3	SPARE																										
5/L1	LIGHTING - CORRIDOR PIR CONTROL	0	B	7	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.41	>200	>200	>200	✓	0.44					
5/L2	SPARE																										
5/L3	SPARE																										
6/L1	KWH METER	D	B	1	2.5	2.5	0.4	60898	MCB	C	2	10	10.93														
6/L2	KWH METER	D	B	1	2.5	2.5	0.4	60898	MCB	C	2	10	10.93														
6/L3	KWH METER	D	B	1	2.5	2.5	0.4	60898	MCB	C	2	10	10.93														

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

DB designation: DB/W/LT/1      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN

Location of DB: WEST RISER - 1ST FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)

Overcurrent protection device for the distribution circuit Type: (BS EN 88)      Rating: (100) A

Associated RCD (if any) Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.07.....) Ω      I<sub>Δf</sub> (5.7.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)

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

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

Original to the person ordering the work







# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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 <sub>s</sub>	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		LSX MULTICORE CABLING		Live / Live	Live / Earth	Test voltage DC	RCD				AFDD					
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)		Ring final circuits only (measured end to end)										All circuits (complete at least one column)		MΩ	MΩ	V
		r <sub>1</sub>	r <sub>n</sub>				r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)																	
1/L1	WATER HEATER - TEA POINT	G	B	2	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.32	0.32	0.32	0.20	>200	>200	>200	✓	0.14	21.5	✓					
1/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.43	>200	>200	>200	✓	0.27	28.8	✓					
1/L3	UNDERFLOOR POWER TRACK	G	B	1	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.22	>200	>200	>200	✓	0.18	28.8	✓					
2/L1	GENERAL POWER - TEA POINT	G	B	2	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.32	0.32	0.33	0.22	>200	>200	>200	✓	0.17	28.9	✓					
2/L2	ACCESS CONTROL	G	B	1	4	4	0.4	60898 MCB	C	32	10	N/A	0.68				0.22	>200	>200	>200	✓	0.26							
2/L3	CLEANERS SOCKET	G	B	2	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.27	0.27	0.27	0.20	>200	>200	>200	✓	0.13	29	✓					
3/L1	APPLIANCES - TEA POINT	G	B	6	4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.33	0.33	0.35	0.17	>200	>200	>200	✓	0.20							
3/L2	DAMPER - STAIR LOBBY	G	B	1	4	4	0.4	60898 MCB	C	20	10	N/A	1.09				0.24	>200	>200	>200	✓	0.39							
3/L3	SPARE																												
4/L1	UNKNOWN	G	B	1	4	4	0.4	60898 MCB	C	20	10	N/A	1.09				0.19	>200	>200	>200	✓								
4/L2	FAN COIL UNITS	O	B	4	4	4	0.4	60898 MCB	C	20	10	N/A	1.09				0.26	>200	>200	>200	✓								
4/L3	FAN COIL UNITS	O	B	3	4	4	0.4	60898 MCB	C	20	10	N/A	1.09				0.22	>200	>200	>200	✓								
5/L1	SPARE																												
5/L2	SPARE																												
5/L3	SPARE																												
6/L1	SPARE																												
6/L2	SPARE																												
6/L3	SPARE																												
7/L1	SPARE																												
7/L2	SPARE																												

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

DB designation: DB/W/SP/GND **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 Location of DB: WEST RISER Signature: Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400) V No. of phases: (3)  
 Overcurrent protection device for the distribution circuit Type: (BS EN 88) Rating: (100) A  
 Associated RCD (if any) Type: (BS EN ..... ) No. of poles: (.....) I<sub>Δn</sub> (.....) mA Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  Z<sub>s</sub> (0.07.....) Ω Z<sub>f</sub> (5.9.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148) Continuity: (.....)  
 Insulation resistance: (.....) Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work



**CONTINUATION SHEET:**  
**ELECTRICAL INSTALLATION CONDITION REPORT**

*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: .....																									
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	LSX MULTICORE CABLING																								
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			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons										
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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 <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>																	
8/L1	SPARE																																		
8/L2	SPARE																																		
8/L3	SPARE																																		

**DISTRIBUTION BOARD (DB) DETAILS** DB designation: DB/W/SP/GND **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 (to be completed in every case) Location of DB: WEST RISER Signature: Date: 28/10/2019

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**  
 Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400) V No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88) Rating: (100) A  
**Associated RCD (if any)** Type: (BS EN ..... ) No. of poles: (.....) I<sub>Δn</sub> (.....) mA Operating time: (.....) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): True Z<sub>s</sub> (0.07.....) Ω I<sub>Δf</sub> (5.9.....) kA

**TEST INSTRUMENTS**  
 (enter serial number against each instrument used)  
 Multi-function: (101217148) Continuity: (.....)  
 Insulation resistance: (.....) Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)											
		(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>				(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)															
1/L1	LIGHTING LCM'S - NORTH OFFICE	0	B	4	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.49	>200	>200	>200	✓	0.62							
1/L2	LIGHTING LCM'S - EAST TEA POINT	0	B	1	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.20	>200	>200	>200	✓	0.26							
1/L3	LIGHTING LCM'S SOUTH OFFICE	0	B	3	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.40	>200	>200	>200	✓	0.51							
2/L1	LIGHTING LCM'S - CORRIDOR BOOTH	0	B	1	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.27	>200	>200	>200	✓	0.43							
2/L2	LIGHTING LCM'S - OPEN PLAN	0	B	5	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.49	>200	>200	>200	✓	0.58							
2/L3	LIGHTING LCM'S - SEATING AREA & LOBBY	0	B	2	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.58	>200	>200	>200	✓	0.72							
3/L1	LIGHTING LCM'S - CENTRE TEA POINT	0	B	1	2.5	2.5	0.4	60898	MCB	C	10	10	N/A	2.19	0.49	>200	>200	>200	✓	0.56							
3/L2	SPARE																										
3/L3	SPARE																										
4/L1	SPARE																										
4/L2	SPARE																										
4/L3	SPARE																										
5/L1	SPARE																										
5/L2	SPARE																										
5/L3	SPARE																										
6/L1	KWH METER	D	B	1	1.5		0.4	60898	MCB	C	2	10	N/A	10.93	0.01	>200	>200	>200	✓	0.07							
6/L2	KWH METER	D	B	1	1.5		0.4	60898	MCB	C	2	10	N/A	10.93	0.01	>200	>200	>200	✓	0.07							
6/L3	KWH METER	D	B	1	1.5		0.4	60898	MCB	C	2	10	N/A	10.93	0.01	>200	>200	>200	✓	0.07							

**DISTRIBUTION BOARD (DB) DETAILS** (to be completed in every case)  
 DB designation: DB/E/LT/GND **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 Location of DB: EAST RISER Signature: Date: 28/10/2019

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**  
 Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400) V No. of phases: (3)  
 Overcurrent protection device for the distribution circuit Type: (BS EN 88) Rating: (100) A  
 Associated RCD (if any) Type: (BS EN ..... ) No. of poles: (.....) I<sub>Δn</sub> (.....) mA Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  Z<sub>s</sub> (0.06.....) Ω Z<sub>f</sub> (5.19.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)  
 Multi-function: (101217148) Continuity: (.....)  
 Insulation resistance: (.....) Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work

# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)											
		(Line)	(Neutral)				(cpc)	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(Ω)			(ms)											
1/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	0.68				0.26	>200	>200	>200	✓	0.27	28.8	✓				
1/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	0.68				0.20	>200	>200	>200	✓	0.23	28.8	✓				
1/L3	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	0.68				0.30	>200	>200	>200	✓	0.32	28.6	✓				
2/L1	UNDERFLOOR POWER TRACK	G	B	2	10	10	0.4	61009 RCD/RCBO	C	32	10	0.68				0.20	>200	>200	>200	✓	0.24	28.8	✓				
2/L2	GENERAL POWER - TEA POINT	G	B	2	4	4	0.4	61009 RCD/RCBO	C	32	10	0.68	0.21	0.21	0.21	0.11	>200	>200	>200	✓	0.19	29	✓				
2/L3	GENERAL POWER - SEATING AREA	G	B	4	4	4	0.4	61009 RCD/RCBO	C	32	10	0.68	0.32	0.31	0.31	0.21	>200	>200	>200	✓	0.30						
3/L1	WATER HEATER - TEA POINT	G	B	2	4	4	0.4	60898 MCB	C	32	10	0.68	0.20	0.20	0.20	0.05	>200	>200	>200	✓	0.25						
3/L2	APPLIANCES - TEA POINT	G	B	6	4	4	0.4	60898 MCB	C	32	10	0.68	0.21	0.21	0.21	0.14	>200	>200	>200	✓	0.22						
3/L3	CLEANERS SOCKET	G	B	2	4	4	0.4	61009 RCD/RCBO	C	32	10	0.68	0.32	0.32	0.30	0.17	>200	>200	>200	✓	0.23	22.9	✓				
4/L1	TV SCREEN SOCKET	G	B	1	4	4	0.4	61009 RCD/RCBO	C	32	10	0.68				0.18	>200	>200	>200	✓	0.12	28	✓				
4/L2	FAN COIL UNITS	G	B	3	4	4	0.4	60898 MCB	C	20	10	1.09				0.31	>200	>200	>200	✓	0.25						
4/L3	FAN COIL UNITS	G	B	5	4	4	0.4	60898 MCB	C	20	10	1.09				0.38	>200	>200	>200	✓	0.48						
5/L1	EXTRACT FAN	G	B	1	4	4	0.4	60898 MCB	C	32	10	0.68				0.26	>200	>200	>200	✓	0.38						
5/L2	TU RING	O	B	2	4	4	0.4	60898 MCB	C	32	10	0.68	0.27	0.27	0.17	0.20	>200	>200	>200	✓	0.15						
5/L3																											
6/L1																											
6/L2																											
6/L3																											
7/L1																											
7/L2																											

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

DB designation: DB/E/SP/GND      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: EAST RISER      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88)      Rating: (100) A  
**Associated RCD (if any)** Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.06.....) Ω      I<sub>Δf</sub> (5.19.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

Original to the person ordering the work





# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING			Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD					
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)		
		r <sub>1</sub>	r <sub>n</sub>				r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(Line)	(Neutral)	(cpc)	(R <sub>1</sub> +R <sub>2</sub> )			R <sub>2</sub>	(MΩ)	(MΩ)					(V)			
1/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.18		>200	>200	>200	✓	0.35	22.9	✓	
1/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.12		>200	>200	>200	✓	0.16	22.8	✓	
1/L3	UNDER FLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.12		>200	>200	>200	✓	0.14	29	✓	
2/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.14		>200	>200	>200	✓	0.19	22.8	✓	
2/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.21		>200	>200	>200	✓	0.28	22.5	✓	
2/L3	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.12		>200	>200	>200	✓	0.11	29	✓	
3/L1	GENERAL POWER - BOOTHS AND TV	G	B	4	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.36	0.36	0.30	0.15		>200	>200	>200	✓	0.19	23.8	✓	
3/L2	CLEANERS SOCKETS	G	B		4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.57	0.57	0.36	0.14		>200	>200	>200	✓	0.20	21.1	✓	
3/L3	SPARE																									
4/L1	VIVREAU & WATER HEATERS - TEA POINT	G	B		4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.35	0.55	0.50	0.18		>200	>200	>200	✓	0.25			
4/L2	APPLIANCES - TEA POINT	G	B		4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.46	0.46	0.45	0.16		>200	>200	>200	✓	0.24			
4/L3	APPLIANCES - TEA POINT	G	B		4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.49	0.49	0.48	0.33		>200	>200	>200	✓	0.35			
5/L1	GENERAL POWER - TEA POINT	G	B		4	4	0.4	60898 MCB	C	32	10	30	0.68	0.54	0.54	0.51	0.51		>200	>200	>200	✓	0.35	29.1		
5/L2	SPARE																									
5/L3	SPARE																									
6/L1	SPARE																									
6/L2	SPARE																									
6/L3	SPARE																									
7/L1	SPARE																									
7/L2	SPARE																									

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

DB designation: DB/E/SP/1      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: EAST RISER - 1ST FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88)      Rating: ( ) A  
**Associated RCD (if any)** Type: (BS EN  )      No. of poles: ( )      I<sub>Δn</sub> ( ) mA      Operating time: ( ) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes  )      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.07) Ω      I<sub>Δf</sub> (4.79) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: ( )  
 Insulation resistance: ( )      Earth fault loop impedance: ( )  
 Earth electrode resistance: ( )      RCD: ( )

Original to the person ordering the work

**CONTINUATION SHEET:**  
**ELECTRICAL INSTALLATION CONDITION REPORT**

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: .....														
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	LSX MULTICORE CABLING		RCD		Circuit impedances (Ω)		Insulation resistance			Polarity		RCD operating time		Test buttons		
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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 <sub>s</sub> (Ω)	RCD operating time (ms)	RCD	AFDD
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>								
7/L3	SPARE																									
8/L1	FAN COIL UNITS	O	B		4	4	0.4	60898	MCB	C	20	10	1.09				0.23		>200	>200	>200	✓	0.30			
8/L2	FAN COIL UNITS	O	B		4	4	0.4	60898	MCB	C	20	10	1.09				0.24		>200	>200	>200	✓	0.32			
8/L3	SPARE																									

**DISTRIBUTION BOARD (DB) DETAILS** DB designation: DB/E/SP/1 **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 (to be completed in every case) Location of DB: EAST RISER - 1ST FLOOR Signature: Date: 28/10/2019

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**  
 Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400) V No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88) Rating: ( ) A  
**Associated RCD (if any)** Type: (BS EN  ) No. of poles: ( ) I<sub>Δn</sub> ( ) mA Operating time: ( ) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes  ) Phase sequence confirmed (where appropriate): True Z<sub>s</sub> (0.07) Ω I<sub>Δf</sub> (4.79) kA

**TEST INSTRUMENTS**  
 (enter serial number against each instrument used)  
 Multi-function: (101217148) Continuity: ( )  
 Insulation resistance: ( ) Earth fault loop impedance: ( )  
 Earth electrode resistance: ( ) RCD: ( )

Original to the person ordering the work

# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD	
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)												
		(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>				(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>																			
1/L1	LIGHTING LCM - TEA POINT	0	B	1	2.5	2.5	0.4	61009 RCD/RCBO	C	10	10	30	2.19				0.55		>200	>200	>200	✓	0.72	28.9	✓			
1/L2	LIGHTING LCM - SPARE	0	B	1	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.35		>200	>200	>200	✓	0.50					
1/L3	LIGHTING LCM - ROOM 1.20, 1.21, 1.22	0	B	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.59		>200	>200	>200	✓	0.68					
2/L1	LIGHTING LCM - TEA POINT	0	B	1	2.5	2.5	0.4	61009 RCD/RCBO	C	10	10	30	2.19				0.44		>200	>200	>200	✓	0.38	28.9	✓			
2/L2	LIGHTING LCM - ROOM 1.09	0	B	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.34		>200	>200	>200	✓	0.42					
2/L3	LIGHTING LCM - ROOM 1.06, 1.07 & CORRIDOR	0	B	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.30		>200	>200	>200	✓	0.36					
3/L1	LIGHTING LCM - ROOM 2.03, 2.04	0	B	4	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.60		>200	>200	>200	✓	0.67					
3/L2	SPARE																											
3/L3	SPARE																											
4/L1	SPARE																											
4/L2	SPARE																											
4/L3	SPARE																											
5/L1	SPARE																											
5/L2	SPARE																											
5/L3	SPARE																											
6/L1	KWH METER	D	B	1	1		0.4	60898 MCB	C	2	10		10.93															
6/L2	KWH METER	D	B	1	1		0.4	60898 MCB	C	2	10		10.93															
6/L3	KWH METER	D	B	1	1		0.4	60898 MCB	C	2	10		10.93															

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

DB designation: DB/E/LT/1      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: EAST RISER - 1ST FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88)      Rating: (100) A  
**Associated RCD (if any)** Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.07.....) Ω      I<sub>Δf</sub> (4.79.....) kA

### TEST INSTRUMENTS

(enter serial number against each instrument used)  
 Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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	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		LSX MULTICORE CABLING		Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub>	RCD		AFDD						
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)		Ring final circuits only (measured end to end)										All circuits (complete at least one column)		(MΩ)	(MΩ)	(V)	
		(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>				(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)																		
1/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.23		>200	>200	>200	✓	0.27	22.6	✓					
1/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.15		>200	>200	>200	✓	0.21	28.9	✓					
1/L3	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.21		>200	>200	>200	✓	0.48	23.4	✓					
2/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.12		>200	>200	>200	✓	0.20	28.4	✓					
2/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.11		>200	>200	>200	✓	0.15	23.2	✓					
2/L3	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.10		>200	>200	>200	✓	0.17	23.6	✓					
3/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.30		>200	>200	>200	✓	0.38	22.8	✓					
3/L2	CLEANERS SOCKET	G	B	4	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.53	0.53	0.53	0.19		>200	>200	>200	✓	0.30	28.8	✓					
3/L3	HAND DRYERS - WC	G	B	2	4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.44	0.44	0.44	0.15		>200	>200	>200	✓	0.22							
4/L1	WATER HEATER, TAP SENSOR, EXTRACT FAN	G	B	5	4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.60	0.60	0.49	0.21		>200	>200	>200	✓	0.25							
4/L2	ACCESS CONTROL	G	B	1	4	4	0.4	60898 MCB	C	32	10	N/A	0.68	0.36	0.36	0.34	0.09		>200	>200	>200	✓	0.17							
4/L3	SPARE																													
5/L1	SPARE																													
5/L2	SPARE																													
5/L3	SPARE																													
6/L1	SPARE																													
6/L2	SPARE																													
6/L3	SPARE																													
7/L1	SPARE																													
7/L2	SPARE																													

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

DB designation: DB/W/SP/2      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: WEST RISER - 2ND FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)  
 Overcurrent protection device for the distribution circuit Type: (BS EN 88)      Rating: (100) A  
 Associated RCD (if any) Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.08.....) Ω      I<sub>Δf</sub> (5.15.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

Original to the person ordering the work



# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 12 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: .....

Circuit number	Circuit description	Type of wiring (see Codes)		Number of points served	Circuit conductor csa			Protective device				RCD Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD					
		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)										
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		Max. disconnection time (BS 7671) (s)	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)			(MΩ)	(V)											
1/L1	LIGHTING LCM - CORRIDOR	O	B	7	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.56		>200	>200	>200	✓	0.60		✓		
1/L2	LIGHTING LCM - ROOM 2.01, 2.02	O	B	2	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.36		>200	>200	>200	✓	0.44		✓		
1/L3	LIGHTING LCM - ROOM 2.16	O	B	3	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.27		>200	>200	>200	✓	0.32		✓		
2/L1	LIGHTING LCM - CORRIDOR	O	B	5	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.80		>200	>200	>200	✓	0.72		✓		
2/L2	LIGHTING LCM - ROOM 2.18, 2.19	O	B	3	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.54		>200	>200	>200	✓	0.59		✓		
2/L3	LIGHTING LCM - WC	O	B	2	2.5	2.5	0.4	61009 RCD/RCBO	C	10	10	30	2.19			0.70										
3/L1	SPARE																									
3/L2	LIGHTING LCM - LIFT LOBBY, DISABLED WC	O	B	2	2.5	2.5	0.4	61009 RCD/RCBO	C	10	10	30	2.19			0.41		>200	>200	>200	✓	0.51		✓		
3/L3	LIGHTING LCM - LIFT ENTRANCE DOWNLIGHTS	O	B	1	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.42		>200	>200	>200	✓	0.53		✓		
4/L1	LIGHTING - STAIR PIR CONTROL	B	B		2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.68		>200	>200	>200	✓	0.76		✓		
4/L2	LIGHTING - STAIR BASEMENT - 2ND	B	B	21	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				0.96		>200	>200	>200	✓	1.14		✓		
4/L3	SPARE																									
5/L1	LIGHTING - CORRIDOR PIR CONTROL	B	B	10	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				1.13		>200	>200	>200	✓	1.29		✓		
5/L2	LIGHTING - STAIRS 2ND - 6TH	B	B	18	2.5	2.5	0.4	60898 MCB	C	10	10	2.19				1.34		>200	>200	>200	✓	1.48		✓		
5/L3	DB/C/LT/2	G	B	1	16	16	5	60898 MCB	C	32	10	0.68				0.05		>200	>200	>200	✓	1.17		✓		
6/L1	KWH METER	D	B	1			0.4	60898 MCB	C	2	10	10.93														
6/L2	KWH METER	D	B	1			0.4	60898 MCB	C	2	10	10.93														
6/L3	KWH METER	D	B	1			0.4	60898 MCB	C	2	10	10.93														

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

DB designation: DB/W/LT/2      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN

Location of DB: WEST RISER - 2ND FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)

Overcurrent protection device for the distribution circuit Type: (BS EN 88)      Rating: (100) A

Associated RCD (if any) Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.08.....) Ω      I<sub>Δf</sub> (5.15.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)

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

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

Original to the person ordering the work



# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING			Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD					
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)		
		r <sub>1</sub>	r <sub>n</sub>				r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(Line)	(Neutral)	(cpc)	(MΩ)			(MΩ)	(V)									
1/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.15		>200	>200	>200	✓	0.26	24.2	✓	
1/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.26		>200	>200	>200	✓	0.33	23.4	✓	
1/L3	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.08		>200	>200	>200	✓	0.40	23.9	✓	
2/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.08		>200	>200	>200	✓	0.18	2.12	✓	
2/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.11		>200	>200	>200	✓	0.55	23	✓	
2/L3	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.11		>200	>200	>200	✓	0.19	23.5	✓	
3/L1	GENERAL POWER - BOOTH & TV	G	B	5	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.30	0.30	0.30	0.10		>200	>200	>200	✓	0.20	28.8	✓	
3/L2	CLEANERS SOCKET	G	B	3	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.51	0.51	0.51	0.14		>200	>200	>200	✓	0.24	29	✓	
3/L3	SPARE																									
4/L1	VIVREAU, WATER HEATER - TEA POINT	G	B	2	4	4	0.4	60898 MCB	C	32	10		0.68	0.55	0.55	0.52	0.19		>200	>200	>200	✓				
4/L2	APPLIANCES - TEA POINT	G	B	6	4	4	0.4	60898 MCB	C	32	10		0.68	0.44	0.44	0.44	0.14		>200	>200	>200	✓				
4/L3	APPLIANCES TEA POINT	G	B	6	4	4	0.4	60898 MCB	C	32	10		0.68	0.42	0.42	0.42	0.15		>200	>200	>200	✓				
5/L1	GENERAL POWER - TEA POINT	G	B	5	4	4	0.4	60898 MCB	C	32	10	30	0.68	0.52	0.52	0.51	0.17		>200	>200	>200	✓	0.19	29	✓	
5/L2	SPARE																									
5/L3	SPARE																									
6/L1	SPARE																									
6/L2	SPARE																									
6/L3	SPARE																									
7/L1	SPARE																									
7/L2	SPARE																									

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

DB designation: DB/E/SP/2      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: EAST RISER - 2ND FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)  
 Overcurrent protection device for the distribution circuit Type: (BS EN 88)      Rating: (100) A  
 Associated RCD (if any) Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):  Z<sub>s</sub> (0.08.....) Ω      I<sub>Δf</sub> (3.97.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

Original to the person ordering the work



**CONTINUATION SHEET:**  
**ELECTRICAL INSTALLATION CONDITION REPORT**

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: .....															
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	LSX MULTICORE CABLING		RCD		Circuit impedances (Ω)		Insulation resistance			Polarity		RCD operating time		Test buttons			
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Ring final circuits only (measured end to end)					All circuits (complete at least one column)			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons		
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)				RCD	AFDD	
																											(ms)
8/L1	FAN COIL UNITS	0	B	5	4	4	0.4	60898	MCB	C	20	10	1.09				0.23		>200	>200	>200	✓	0.31				
8/L2	FAN COIL UNITS	0	B	5	4	4	0.4	60898	MCB	C	20	10	1.09				0.22		>200	>200	>200	✓	0.32				
8/L3	SPARE																										

**DISTRIBUTION BOARD (DB) DETAILS** DB designation: DB/E/SP/2 **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 (to be completed in every case) Location of DB: EAST RISER - 2ND FLOOR Signature: Date: 28/10/2019

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**  
 Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400) V No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88) Rating: (100) A  
**Associated RCD (if any)** Type: (BS EN ..... ) No. of poles: (.....) I<sub>Δn</sub> (.....) mA Operating time: (.....) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): False Z<sub>s</sub> (0.08.....) Ω Z<sub>f</sub> (3.97.....) kA

**TEST INSTRUMENTS**  
 (enter serial number against each instrument used)  
 Multi-function: (.....) Continuity: (.....)  
 (101217148.....) (.....)  
 Insulation resistance: (.....) Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....) RCD: (.....)  
 (.....) (.....)

Original to the person ordering the work

# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING			Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD						
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)									
		r <sub>1</sub>	r <sub>n</sub>				r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)															
1/L1	LIGHTING LCM - TEA POINT	O	B	1	2.5	2.5	0.4	61009 RCD/RCBO	C	10	10	30	2.19				0.38	>200	>200	>200	✓	0.35	28.8	✓			
1/L2	LIGHTING LCM - SPARE	O	B	1	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.29	>200	>200	>200	✓	0.48					
1/L3	LIGHTING LCM - ROOM 2.20, 2.21, 2.22	O	B	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.44	>200	>200	>200	✓	0.60					
2/L1	LIGHTING LCM - TEA POINT	O	B	1	2.5	2.5	0.4	61009 RCD/RCBO	C	10	10	30	2.19				0.41	>200	>200	>200	✓	0.41	28.8	✓			
2/L2	LIGHTING LCM - ROOM 2.09	O	B	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.31	>200	>200	>200	✓	0.43					
2/L3	LIGHTING - ROOM 2.06, 2.07 & CORRIDOR	O	B	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.31	>200	>200	>200	✓	0.42					
3/L1	LIGHTING LCM - ROOM 2.03, 2.04	O	B	4	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.42	>200	>200	>200	✓	0.53					
3/L2	LIGHTING - STAIRS BASEMENT - 2ND	B	B	17	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				1.14	>200	>200	>200	✓	1.28					
3/L3	SPARE																										
4/L1	SPARE																										
4/L2	LIGHTING - STAIRS 2ND - 6TH	B	B	18	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				1.05	>200	>200	>200	✓	1.13					
4/L3	SPARE																										
5/L1	SPARE																										
5/L2	LIGHTING STAIR PIR CONTROL	B	B	9	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.40	>200	>200	>200	✓	0.51					
5/L3	SPARE																										
6/L1	KWH METER	D	B	1	1.5		0.4	60898 MCB	C	2	10		10.93														
6/L2	KWH METER	D	B	1	1.5		0.4	60898 MCB	C	2	10		10.93														
6/L3	KWH METER	D	B	1	1.5		0.4	60898 MCB	C	2	10		10.93														
7/L1																											

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

DB designation: DB/E/LT/2      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: EAST RISER - 2ND FLOOR      Signature:      Date: 28/10/2019

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

Supply to DB is from: (RISING BUSBAR TAP OFF)      Nominal voltage: (400) V      No. of phases: (3)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN 88)      Rating: (100) A  
**Associated RCD (if any)** Type: (BS EN ..... )      No. of poles: (.....)      I<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
**Characteristics at this DB** Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.08.....) Ω      I<sub>Δf</sub> (3.97.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

Original to the person ordering the work



# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)											
		(r <sub>1</sub> )	(r <sub>n</sub> )				(r <sub>2</sub> )	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)															
1/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.23		>200	>200	>200	✓	0.19	28.9			
1/L2	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.19		>200	>200	>200	✓	0.21	29			
1/L3	GENERAL POWER - TEA POINT	G	B		4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.36	0.36	0.36	0.17		>200	>200	>200	✓	0.22	29			
2/L1	CLEANERS SOCKET - LIFT	G	B	1	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.14		>200	>200	>200	✓	0.21	28.9			
2/L2	CLEANERS SOCKET - CORRIDOR	G	B	5	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.57	0.57	0.45	0.21		>200	>200	>200	✓	0.29	29			
2/L3	SALON	G	B	2	4	4	0.4	60898 MCB	C	32	10		0.68	0.64	0.64	0.55	0.38		>200	>200	>200	✓	0.20	28.8			
3/L1	UNDERFLOOR POWER TRACK	G	B	1	10	10	0.4	61009 RCD/RCBO	C	32	10	30	0.68				0.26		>200	>200	>200	✓	0.23	28.8			
3/L2	UNKNOWN	G	B	2	4	4	0.4	60898 MCB	C	20	10		1.09				0.14		>200	>200	>200	✓	0.31				
3/L3	APPLIANCES - TEA POINT	G	B	6	4	4	0.4	60898 MCB	C	32	10		0.68				0.29		>200	>200	>200	✓	0.22	29			
4/L1	UNKNOWN	G	B	2	4	4	0.4	60898 MCB	C	20	10		1.09				0.36		>200	>200	>200	✓	0.43				
4/L2	SPARE																										
4/L3	SPARE																										
5/L1	STOR ROOM	G	B	3	4	4	0.4	61009 RCD/RCBO	C	32	10	10	0.68				0.30		>200			✓	0.48	28.7			
5/L2	FAN COIL UNITS	O	B	7	4	4	0.4	60898 MCB	C	20	10	10	1.09				0.27		>200			✓	0.34				
5/L3	FAN COIL UNITS	O	B	5	4	4	0.4	60898 MCB	C	20	10	10	1.09				0.28		>200			✓	0.35				
6/L1																											
6/L2																											
6/L3																											
7/L1																											
7/L2																											

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

DB designation: DB/SP/LG      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: LOWER GROUND FLOOR STORE      Signature:      Date: 28/10/2019

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

Supply to DB is from: (MCCB 2) 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<sub>Δn</sub> (.....) mA Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  Z<sub>s</sub> (0.10) Ω Z<sub>f</sub> (3.91) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)  
 (101217148) (.....)  
 Insulation resistance: (.....) Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work





# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING			Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD					
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)		
		r <sub>1</sub>	r <sub>n</sub>				r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)														
1/L1	GENERAL POWER - BASEMENT	D	B	7	4	4	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.45	0.45	0.13	0.16	>200	>200	>200	✓	0.19	28.8	✓		
1/L2	SUMP PUMP - TANK ROOM	D	B	2	4	4	0.4	60898 MCB	C	20	10	N/A	1.09				0.29	>	>200	>200	✓	0.38				
1/L3	SPARE																									
2/L1	SPARE																									
2/L2	SPARE																									
2/L3	SPARE																									
3/L1	SPARE																									
3/L2	SPARE																									
3/L3	SPARE																									
4/L1	SPARE																									
4/L2	SPARE																									
4/L3	SPARE																									
5/L1	SPARE																									
5/L2	SPARE																									
5/L3	SPARE																									
6/L1	SPARE																									
6/L2	SPARE																									
6/L3	SPARE																									
7/L1	SPARE																									
7/L2	SPARE																									

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

DB designation: DB/W/SP/B      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: WEST BASEMENT      Signature:      Date: 28/10/2019

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

Supply to DB is from: (MCCB-2)      Nominal voltage: (3) V      No. of phases: (400)  
 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<sub>Δn</sub> ( ) mA      Operating time: ( ) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.09) Ω      I<sub>f</sub> (5.2) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: ( )  
 Insulation resistance: ( )      Earth fault loop impedance: ( )  
 Earth electrode resistance: ( )      RCD: ( )

Original to the person ordering the work

**CONTINUATION SHEET:**  
**ELECTRICAL INSTALLATION CONDITION REPORT**

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: .....																								
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	LSX MULTICORE CABLING																							
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 <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons									
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	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 <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>																
8/L1	SPARE																																	
8/L2	SPARE																																	
8/L3	SPARE																																	

**DISTRIBUTION BOARD (DB) DETAILS** DB designation: DB/W/SP/B **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 (to be completed in every case) Location of DB: WEST BASEMENT Signature: Date: 28/10/2019

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**  
 Supply to DB is from: (MCCB-2) Nominal voltage: (3) V No. of phases: (400)  
 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<sub>Δn</sub> ( ) mA Operating time: ( ) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes ) Phase sequence confirmed (where appropriate): True Z<sub>s</sub> (0.09 ) Ω I<sub>Δf</sub> (5.2 ) kA

**TEST INSTRUMENTS**  
 (enter serial number against each instrument used)  
 Multi-function: (101217148) Continuity: ( )  
 Insulation resistance: ( ) Earth fault loop impedance: ( )  
 Earth electrode resistance: ( ) RCD: ( )

Original to the person ordering the work

# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (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			LSX MULTICORE CABLING		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD					
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)											
		(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>				(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD			AFDD											
1/L1	LIGHTING BASEMENT	D	B	7	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.64		>200	>200	>200	✓	0.72				
1/L2	LIGHTING BASEMENT	D	B	4	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.44		>200	>200	>200	✓	0.56				
1/L3	LIGHTING BASEMENT	D	B	8	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.68		>200	>200	>200	✓	0.71				
2/L1	SPARE																										
2/L2	SPARE																										
2/L3	SPARE																										
3/L1	SPARE																										
3/L2	SPARE																										
3/L3	SPARE																										
4/L1	SPARE																										
4/L2	SPARE																										
4/L3	SPARE																										
5/L1	SPARE																										
5/L2	SPARE																										
5/L3	SPARE																										
6/L1	KW METER	D	B	1	1.5	N/A	0.4	60898	MCB	C	2	10	10.93														
6/L2	KW METER	D	B	1	1.5	N/A	0.4	60898	MCB	C	2	10	10.93														
6/L3	KW METER	D	B	1	1.5	N/A	0.4	60898	MCB	C	2	10	10.93														

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

DB designation: DB/W/LT/B      **TESTED BY** Name (capitals): GARY BARDRICK      Position: APPROVED ELECTRICIAN  
 Location of DB: WEST BASEMENT      Signature:      Date: 28/10/2019

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

Supply to DB is from: (MCCB-2)      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<sub>Δn</sub> (.....) mA      Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....)      Phase sequence confirmed (where appropriate):       Z<sub>s</sub> (0.08.....) Ω      I<sub>Δf</sub> (5.2.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function: (101217148)      Continuity: (.....)  
 Insulation resistance: (.....)      Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....)      RCD: (.....)

Original to the person ordering the work

# ELECTRICAL INSTALLATION CONDITION REPORT

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

**PART 12 : 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 Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> 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	(O) other - state			LSX MULTICORE CABLING					Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)		Polarity Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD	AFDD
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				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)											
		(Line)	(Neutral)				(cpc)	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)															
1/L1	LIGHTING STATE ROOM DOWNLIGHT	0	B	20	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				1.20		LIM	>200	>200	1.23					
1/L2	LIGHTING STAR, HULL, SALOON	0	B	17	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.48		LIM	>200	>200	0.54					
1/L3	LIGHTING - CORRIDOR WEST & STORE	0	B	17	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				1.07		>200	>200	>200	1.18					
2/L1	LIGHTING KEEL OFFICE	0	B	17	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				1.70		LIM	>200	>200	1.84					
2/L2	LIGHTING - PIR CORRIDOR CONTROL	0	B	7	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				1.25		>200	>200	>200	1.37					
2/L3	LIGHTING - CORRIDOR EAST	0	B	14	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.68		>200	>200	>200	0.79					
3/L1	LIGHTING - AREA CONTROLLERS	0	B	2	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.06		>200	>200	>200	0.10					
3/L2	LIGHTING ENGINE ROOM	0	B	6	2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.80		>200	>200	>200	0.91					
3/L3	LIGHTING - CORRIFOR LED	0	B		2.5	2.5	0.4	60898	MCB	C	10	10	2.19				0.83		>200	>200	>200	0.89					
4/L1	SPARE																										
4/L2	SPARE																										
4/L3	SPARE																										
5/L1	SPARE																										
5/L2	SPARE																										
5/L3	SPARE																										
6/L1	KWH METER	D	B	1	1.0	1.5	N/A	60898	MCB	C	2	10	11.5				0.01		>200	>200	>200	✓ 0.08					
6/L2	KWH METER	D	B	1	1.0	1.5	N/A	60898	MCB	C	2	10	11.5				0.01		>200	>200	>200	✓ 0.08					
6/L3	KWH METER	D	B	1	1.0	1.5	N/A	60898	MCB	C	2	10	11.5				0.01		>200	>200	>200	✓ 0.08					

**DISTRIBUTION BOARD (DB) DETAILS** (to be completed in every case) DB designation: DB/W/LT/GND **TESTED BY** Name (capitals): GARY BARDRICK Position: APPROVED ELECTRICIAN  
 Location of DB: WEST RISER Signature: Date: 28/10/2019

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**  
 Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400) V No. of phases: (3)  
 Overcurrent protection device for the distribution circuit Type: (BS EN 88) Rating: (100) A  
 Associated RCD (if any) Type: (BS EN ..... ) No. of poles: (.....) I<sub>Δn</sub> (.....) mA Operating time: (.....) ms  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  Z<sub>s</sub> (0.07.....) Ω I<sub>Δf</sub> (5.9.....) kA

**TEST INSTRUMENTS** (enter serial number against each instrument used)  
 Multi-function: (101217148) Continuity: (.....)  
 Insulation resistance: (.....) Earth fault loop impedance: (.....)  
 Earth electrode resistance: (.....) RCD: (.....)

Original to the person ordering the work



**WEBSTER THOMAS ELECTRICAL LTD**

*Electrical Contracting Engineers*

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# ELECTRICAL INSTALLATION CONDITION REPORT

## ADDITIONAL NOTES

*(This area is intentionally left blank for additional notes.)*

(see additional page No. N/A)

Original to the person ordering the work

# NOTES FOR RECIPIENT

## THIS CONDITION REPORT IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

The purpose of periodic inspection is to determine, so far as is reasonably practicable, whether an electrical installation is in a satisfactory condition for continued service. This report provides an assessment of the condition of the electrical installation identified overleaf at the time it was inspected and tested, taking into account the stated extent of the installation and the limitations of the inspection and testing.

This report has been issued in accordance with the national standard for the safety of electrical installations, BS 7671: 2018 – Requirements for Electrical Installations.

The report identifies any damage, deterioration, defects and/or conditions found by the inspector which may give rise to danger (see PART 6), together with any items for which improvement is recommended.

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

This report should be retained in a safe place and shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this report will provide the new user with an assessment of the condition of the electrical installation at the time the periodic inspection was carried out.

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.

**For safety reasons, the electrical installation should be re-inspected 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 the inspection.**

The recommended date by which the next inspection should be carried out is stated in PART 5 of this report. There should also be a notice at or near the main switchboard or distribution board/consumer unit indicating when the next inspection of the installation is due.

Only an NICEIC Approved Contractor or Conforming Body is authorised to issue this NICEIC Electrical Installation Condition Report. You should have received the report marked 'Original' and the Approved Contractor should have retained the report marked 'Duplicate'.

This report form is intended to be issued only for the purpose of reporting on the condition of an existing electrical installation and must not be issued to certify new electrical installation work including the replacement of a distribution board or consumer unit.

The report consists of at least six numbered pages. Additional numbered pages may have been provided to permit further relevant information relating to the installation to be recorded. For installations having more than one distribution board or more circuits than can be recorded on PART 12, one or more additional Schedules of Circuit Details and Test Results should form part of the report. The report is invalid if any of the schedules identified in PART 10 are missing. The report has a printed seven-digit serial number, which is traceable to the Approved Contractor to which it was supplied by NICEIC.

PART 7 (Details and limitations) should identify fully the extent of the installation covered by this report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

Operational limitations may have been encountered during the inspection such as inability to gain access to parts of the installation or to an item of equipment. The inspector should have noted any such limitations in PART 7. It should be noted that the greater the limitations applying to a report, the less its value from the safety aspect.

A declaration should have been given by the inspector in PART 4 of the report. The declaration must reflect the statement given in PART 3, which summarises the observations and recommendations made in PART 6. Where one or more observations have been made in PART 6, the Classification code given to each by the inspector indicates the degree of urgency with which remedial action needs to be taken to restore the installation to a safe working condition.

Where the inspector has indicated an observation as code C1 (danger present) the safety of those using the installation is at risk. Wherever practicable, items classified as (C1) should be made safe on discovery, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work immediately.

Where the inspector has indicated an observation as code C2 (potentially dangerous) the safety of those using the installation may be at risk, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

Where the inspector has indicated that an item requires further investigation (FI), the investigation should be carried out without delay to determine whether danger or potential danger exists. For further guidance on the Classification codes, please see the reverse of page 2.

Where the installation can be supplied by more than one source, such as the public supply and a standby generator or microgenerator, this should be identified in PART 8 Supply Characteristics and Earthing Arrangements, and the Schedules of Circuit Details and Test Results (PART 12) compiled accordingly.

Where inadequacies in the intake equipment have been observed (Item 1 of PART 10), the person ordering the inspection should inform the distributor and/or supplier as appropriate.

Should the person ordering this report have reason to believe that it does not reasonably reflect the condition of the electrical installation reported on, that person should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the person ordering this report may make a formal complaint to NICEIC, for which purpose a 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](http://www.niceic.com)



# GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES

## Only one Classification code should be given for each recorded Observation

### **Classification code C1 (Danger present)**

Where an observation has been given a Classification code C1, the safety of those using the installation is at risk and immediate remedial action is required.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

NICEIC makes available 'Electrical Danger Notification' forms to enable inspectors to record, and then to communicate to the person ordering the report, any dangerous condition discovered.

### **Classification code C2 (Potentially dangerous)**

Classification code C2 indicates that, whilst those using the installation may not be at immediate risk, urgent remedial action is required to remove potential danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given at PART 5 of this report (Next Inspection) for the maximum interval until the next inspection is conditional upon all items which have been given a Classification code C1 and code C2 being remedied immediately and as a matter of urgency, respectively.

It would not be reasonable for the inspector to indicate that the installation is in a satisfactory condition if any observation in this report has been given a code C1 or code C2 classification.

### **Classification code C3 (Improvement recommended)**

Where an observation has been given a Classification code C3, the inspection and/or testing has revealed a non-compliance with the current safety standard which, whilst not presenting immediate or potential danger, would result in a significant safety improvement if remedied. Careful consideration should be given to the safety benefits of improving these aspects of the installation. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

### **Code FI (Further investigation required without delay)**

It should usually be possible for the inspector to attribute a Classification code to each observation without indicating a need for further investigation.

However, where 'FI' has been entered against an observation the inspector considers that further investigation of that observation is likely to reveal danger or potential danger that, due to the agreed extent or limitations of the inspection and/or testing, could not be fully identified at the time.

It would not be appropriate for the inspector to indicate that the installation is in a satisfactory condition if there is reasonable doubt as to whether danger or potential danger exists. Consequently, where the inspector has indicated 'Further investigation required without delay' (FI) the overall assessment of the installation (PART 3) should be marked as 'Unsatisfactory'.

If the inspector has indicated that an observation requires further investigation without delay, the person ordering this report is advised to arrange for the NICEIC Approved Contractor issuing the report (or another skilled person or persons competent in such work) to undertake further examination of that aspect of the installation as a matter of urgency, to determine whether or not danger or potential danger exists.

### **Further information**

Further information on the application of Classification codes, primarily aimed at inspectors but of possible interest to persons ordering condition reports, can be found in Electrical Safety First's Best Practice Guide No 4 Electrical installation condition reporting: Classification Codes for domestic and similar electrical installations. The guide can be viewed or downloaded free of charge from [www.electricalsafetyfirst.org.uk](http://www.electricalsafetyfirst.org.uk)

For further information about electrical safety and how NICEIC can help you, visit [www.niceic.com](http://www.niceic.com)