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WEBSTER THOMAS ELECTRICAL LTD

Electrical Contracting Engineers

Certsure LLP operates the NICEIC & ELECSA brands

unit 7, castle view business estate, gas house road, rochester, kent. Me11PB Tel: 01634 818074

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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

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

| PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTAL | LATION | | |
|--|--|--|---------------------------------------|
| DETAILS OF THE CONTRACTOR | DETAILS OF THE CLIENT | DETAILS OF THE INSTALLATION | V |
| Registration No: 026620 Branch No: | Contractor Reference Number (CRN): | Occupier: <default address=""></default> | |
| Trading Title: WEBSTER THOMAS ELECTRICAL LTD | Name: St Dunstans OPCo Ltd | Address: 20 St Dunstans Hill, London | |
| Address: UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD , ROCHESTER, KENT | Address: 20 St Dunstans Hill, London | | |
| Postcode: ME1 1PH Tel No: 01634 818074 | Postcode: EC3R 8HL Tel No: | 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 SAFET | Υ. | | (see additional page No. <u>N/A</u>) |
| Date(s) when inspection and testing was carried out: (01/12/2020 |) Records available: (<u>Yes</u>) | Previous inspection report available: (<u>Yes</u>) | Previous report date: (28/11/2019) |
| PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATIO | N | | |
| General condition of the installation (in terms of electrical safety): GOOD | | | (see additional page No. <u>N/A</u>) |
| Estimated age of electrical installation: (5) years Evidenc | e 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 electrica existing installation, hereby CERTIFY that the information in this report, includin stated extent of the installation and the limitations on the inspection and testin | ng the observations (page 2) and the attached schedules, pro | | |
| Name (capitals): DANNY O'CONNOR | Signature: DOCum | Date: 01/12/2020 | |
| REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR | THE APPROVED CONTRACTOR | | |
| Name (capitals): OWEN THOMAS | Signature: | Date: 01/12/2020 | |
| *An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dang | nerous (CODE C2) conditions have been identified in PART 6, or that Fu | rther Investigation (CODE FI) without delay is required. | |
| This report is based on the model forms shown in Appendix 6 of BS 7671 | | | |

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| PART 5 : NEXT INSPECTION | | | | | |
|---|--|--|---------------------------------|---------------|---|
| I/We (as indicated on page 1) recommend, subject to the necessary remedial work being take Give reason for recommendation: | en, this installation should be further inspec | ted and tested after an interval of | not more than <u>5</u> | years* | (see additional page No. <u>N/A</u>) |
| 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 | CODE C1 'Danger Present' Risk of injury. Immediate remedial action required | CODE C2 'Potentially Dangerous' Urgent remedial action required | CODE C3 'Improvement Recomme | nded' | CODE FI 'Further Investigation Required' |
| Referring to the Schedule of Items Inspected (see PART 10), the attached Schedule of Circuit There are no items adversely affecting electrical safety , OR The following observatio | | | ns listed in PART 7: | | |
| Item No | Observation(s) | | | Code | Location Reference |
| 1 DB/E/SP/4 4L1 - THERE IS NO CONTINUITY ON THE NEUTRAL CONDUCTORS FOR T | | ON IS REQUIRED | C3 | | 4TH FLOOR TEA POINT |
| Additional pages? (N/A) State page numbers: (N/A |) | | | | |
| Immediate action required for items: (| ······································ | recommended for items: (<u>1</u> | | |) |
| Urgent remedial action required for items: (| | igation required for items: (| | |) |
| *The proposed date for the next inspection should take into consideration any legislative or licensing require The period should be agreed between relevant parties. | ements and the frequency and quality of maintena | nce that the installation can reasonab | nly be expected to receive du | iring its int | ended life. |

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| PART 7 : DETAILS AND LIMITATIONS | OF THE INSPECTION AND TE | STING | | | | | | | |
|---|---|--|--|--|--|---|---------------------------------|---|--|
| The inspection and testing has been carried ou generally within the fabric of the building or un Details of the installation covered by this repo | derground, have not been visually ins | | | | | | loors, in inaccess | ible roof space | s and |
| TO INSPECT AND TEST THE FOLLOWING BOAI DB/W/LT/4, DB/W/SP/4, DB/E/LT/4. Agreed limitations including the reasons, if an | RD: DB/E/LT/6, DB/E/SP/6, DB/W/LT/6, | 6, DB/W/SP/6 | 6, DB/E/LT/5, DB/E/SP/5, DB/V | V/SP/5, DB/W/LT/5 | i, DB/E/SP/4, DB/ | /W/LT/3, DB/W/SP/3, DB/E/L | _T/3, DB/E/SP/3, | (see addit | ional page No. <u>N/A</u>) |
| 30% OF INSTALLATION TESTED AS AGREED V | | THE BOARD | S IN 1 YEARS TIME. | | | Agreed w | vith (print name): | | ional page No. <u>N/A</u>) |
| Extent of sampling: Operational limitations including the reasons: | | | | | | | | | ional page No. <u>N/A</u>) ional page No. <u>N/A</u>) |
| PART 8 : SUPPLY CHARACTERISTICS | AND EARTHING ARRANGEMI | ENTS | | | | | | | |
| System type and earthing arrangements TN-C-S: TN-S: Other (state): Supply protective device (BS (EN) 88 Type: (JS | TT: Con | AC DC | pe of live conductors 1-phase, 2-wire: 3-phase, 3-wire: 2-wire: 5 supply polarity: of supply: <i>(as detailed on attach</i>) | 2-phase, 3-wire: 3-phase, 4-wire: D Other: (<i>ed schedule)</i> Pag | (~) | Nature of supply parameter Nominal line voltage, $U^{(1)}$: Nominal line voltage to Ea Nominal frequency, $f^{(1)}$: Prospective fault current, I External loop impedance, | rth, <i>Ug</i> ⁽¹⁾ : | (<u>400</u>) V (230) V (<u>50</u>) Hz (<u>3.9</u>) kA (<u>0.13</u>) Ω | (1) By enquiry, measurement, or by calculation |
| PART 9 : PARTICULARS OF INSTALLA | TION REFERRED TO IN THIS C | CERTIFICA | \TE | | | | | | |
| Means of EarthingDistributor's facility:(✓)Installation earth electrode:() | Main protective conductors Earthing conductor: (material Coppercsa 30 | <u>00 </u> | Main protective bonding co Water installation pipes: Gas installation pipes: Structural steel: | nnections () () | Main switch / Type: Location: No. of poles: | Switch-fuse / Circuit-break (BS (EN) <u>60947-2</u> (| | ting of device: |)) ()A |
| Where an earth electrode is used insert Type - rod(s), tape, etc:) Location:) | Connection / continuity verified: Main protective bonding conductors | rs: | Oil installation pipes: Lightning protection: Other <i>(state)</i> : | () (~) | Current rating: | ·· | Voltage rati | 5 | (<u>230</u>) V |
| Electrode resistance to Earth: () Ω | (material <u>Copper</u> csa <u>50</u> Connection / continuity verified: | 0mm²) | | | | dual operating current, / _{&} /: rating time: () ms | Rated time | delay: | () mA () ms |

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

All fields must be completed. Enter either, as appropriate: ' /' if Acceptable condition; 'WA' 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

| 1. External condition of electrical intake equipment (visual inspection or | 4. Other methods of protection (N// | A) 5.24 Single-pole switching or protective devices in line conductors only: (\checkmark) |
|---|---|---|
| (If inadequacies are identified with the intake equipment, it is recommended the per ordering the report informs the appropriate authority.) | Details should be provided on separate sheets: Page No. (| .) 5.25 Protection against mechanical damage where cables |
| 1.1 Service cable: (\checkmark) 1.2 Service head: (\checkmark) | 5. Distribution equipment | enter equipment: (🗸) 5.26 Protection against electromagnetic effects where cables |
| 1.3 Earthing arrangement: (\checkmark) 1.4 Meter tails: (, | 5.1 Adequacy of working space / accessibility of equipment: | ' enter ferrromagnetic enclosures: |
| 1.5 Metering equipment: (\checkmark) 1.6 Isolator (where present): (. | 5.2 Security of fixing: | 6. Distribution / final circuits |
| 2. Presence of adequate arrangements for parallel or switched | 5.3 Condition of insulation of live parts: (~ 5.4 Adequacy / security of barriers: (~ | 6.1 Identification of conductors: |
| alternative sources | 5.5 Condition of enclosure(s) in terms of IP rating: | 6.2 Cables correctly supported throughout their length: |
| 2.1 Adequate arrangements where a generating set operates | | 6.3 Condition of insulation of live parts: (\checkmark) |
| as a switched alternative to the public supply: ^{2.2} Adequate arrangements where generating set operates in | 5.7 Enclosure not damaged / deteriorated so as to impair safety: (| b.4 Non-sheathed cables protected by |
| parallel with the public supply: | | enclosures in conduit, ducting or trunking: |
| 2.3 Presence of alternative / additional supply arrangement warning potice(s) at or pear equipment, where required: (N | 5.9 Presence of main switch(es), linked where required: (🗸 | |
| | _ 5.10 Operation of main switch(es) (functional check): (🗸 | |
| 3. Automatic disconnection of supply 3.1 Main earthing and bonding arrangements | 5.11 Correct identification of circuit protective devices: (\checkmark | (indicate extent of sampling in PART 7 of report): (✓) 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: (\checkmark | |
| b) Presence and condition of earth electrode arrangement, | 5.13 RCD(s) provided for fault protection – includes RCBOs: (\checkmark | |
| if present: | 5.14 RCD(s) provided for additional protection – includes RCBOs: (\checkmark | |
| c) Adequacy of earthing conductor size: (| 5.15 RCD(s) provided for protection against fire – includes RCBOs: (N/ | A) and are tight and secure: (<) 6.10 Examination of cables for signs of unacceptable thermal and |
| d) Adequacy of earthing conductor connections: (| 5.16 Manual operation of circuit-breakers and RCDs to | mechanical damage / deterioration: |
| e) Accessibility of earthing conductor connections: (| prove disconnection: 5.17 Confirmation that integral test button/switch causes RCD(s) | ^{0.11} Adequacy of cables for current-carrying capacity with regard |
| f) Adequacy of main protective bonding conductor size(s): (| to trip when operated (functional check) | to the type and nature of installation. |
| g) Adequacy of main protective bonding conductor connections: (| ^{5.18} Presence of RCD six-monthly retest notice at or near | 6.12 Adequacy of protective devices; type and rated current for fault protection: |
| h) Accessibility of main protective bonding connections: (| equipment, where required: |) 6.13 Presence and adequacy of circuit protective conductors: (\checkmark) |
| i) Accessibility and condition of other protective bonding connections: | 5.19 Presence of diagrams, charts or schedules at or near equipment, where required: | 6.14 Co-ordination between conductors and overload |
| j) Provision of earthing / bonding labels at all | 5.20 Presence of non-standard (mixed) cable colour warning notices | protective devices: (🗸) |
| appropriate locations: (. |) at or near equipment, where required: | |
| 3.2 FELV | 5.21 Presence of next inspection recommendation label: | |
| a) Source providing at least simple separation: (N b) Plugs, socket-outlets and the like not interchangeable | 5.22 All other required labelling provided: (~ 5.23 Compatibility of protective device(s), base(s) and | adequately protected against solar radiation: |
| with those of other systems within the premises: | | |

All fields must be completed. Enter either, as appropriate: ' 🗸 if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

s; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached

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PART 10 : SCHEDULE OF ITEMS INSPECTED

| 6.18 Provision of additional protection by an RCD not exceeding 30 mA | | 6.26 Single-pole switching or protective devices in | | 8. Current-using equipment (permanently connected) | |
|--|----------------|--|----------------|--|----------------|
| a) For all socket-outlets with a rated current not exceeding 32 A, | | line conductors only: | (~) | 8.1 Condition of equipment in terms of IP rating: | (~) |
| unless exempt: | (~) | 6.27 Adequacy of connections, including cpcs, within accessories | | 8.2 Equipment does not constitute a fire hazard: | (~) |
| b) Supplies for mobile equipment with a rated current not | (N/A) | and to fixed and stationary equipment: | (~) | 8.3 Enclosure not damaged / deteriorated so as to impair safety: | (~) |
| exceeding 52 A for use outdoors. | , | 7. Isolation and switching 7.1 Isolators | | 8.4 Suitability for the environment and external influences: | (~) |
| c) For cables concealed in walls / partitions at a depth of less than 50 mm: | (~) | a) Presence and condition of appropriate devices: | (~) | 8.5 Security of fixing: | (~) |
| d) For cables concealed in walls / partitions containing metal | | b) Acceptable location (local / remote): | (\checkmark) | 8.6 Cable entry holes in ceiling above luminaires, sized or sealed | (~) |
| parts regardless of depth: | (N/A) | c) Capable of being secured in the OFF position: | (\checkmark) | so as to restrict the spread of fire: | (~/ |
| e) Circuits supplying luminaires within domestic | | d) Correct operation verified: | (\checkmark) | List number and location of luminaires inspected on a separate page: Page No. | . () |
| (household) premises: | (N/A) | e) Clearly identified by position and / or durable markings: | | 8.7 Recessed luminaires (e.g. downlighters) | · (/ |
| Note: Older installations designed prior to BS 7671: 2018 may not have been provide | ded | | (~) | a) Correct type of lamps fitted: | (\checkmark) |
| with RCDs for additional protection. 6.19 Provision of fire barriers, sealing arrangements and protection | | f) Warning label posted in situations where live parts cannot be isolated by the operation of a single device: | (~) | b) Installed to minimise build-up of heat: | (\mathbf{x}) |
| against thermal effects: | (~) | | , | c) No signs of overheating to surrounding building fabric: | (\checkmark) |
| 6.20 Band II cables segregated / separated from Band I cables: | (\checkmark) | a) Presence and condition of appropriate devices: | (~) | d) No signs of overheating to conductors / terminations: | (\checkmark) |
| 6.21 Cables segregated / separated from non-electrical services: | (~) | b) Acceptable location: | (C3) | 9. List all special installations or locations covered by this report: | |
| 6.22 Termination of cables at enclosures | | c) Capable of being secured in the OFF position: | (~) | | (N/A) |
| (indicate extent of sampling in PART 7 of report) | | d) Correct operation verified: | (\checkmark) | | (N/A) |
| a) Connections under no undue strain: | (~) | e) Clearly identified by position and / or durable marking(s): | (\checkmark) | | (N/A) |
| b) No basic insulation of a conductor, visible outside | | 7.3 Emergency switching off / stopping | | | (N/A) |
| an enclosure: | | a) Presence and condition of appropriate devices: | (N/A) | Indicate if the relevant requirements of Part 7 are satisfied and append results | |
| c) Connections of live conductors adequately enclosed: | (~) | b) Readily accessible for operation where danger might occur: | (N/A) | of inspection on a separate numbered page. | |
| d) Adequacy of connection at point of entry to enclosure: | (~) | | , | SCHEDULE OF ITEMS INSPECTED BY | |
| 6.23 Temperature rating of cable insulation addequate: | (~) | c) Correct operation verified: | (N/A) | Name (capitals): DANNY O'CONNOR | |
| 6.24 Condition of accessories including socket-outlets, switches | 1 | 7.4 Functional switching | | | |
| and joint boxes satisfactory: | (~) | a) Presence and condition of appropriate devices: | (N/A) | | 2/2020 |
| 6.25 Suitability of accessories for external influences: | (~) | b) Correct operation (functionality) verified: | (N/A) | Signature: DOCUM Date: 01/12 | 2/2020 |

PART 11 : SCHEDULES AND ADDITIONAL PAGES

| Schedule of Inspections | | | Schedule of Circuit Test Results for the | | | Additional pages, inclu sheets for additional so | | Special installations o <i>(indicated in item 9. ab</i> | | Continuation sheets | |
|-------------------------|---|-------|---|--------|--------------------|---|-----------------------------|--|----|---------------------|----------------|
| Page No(s): | (| 4 & 5 | Page No(s): | (| 6) | Page No(s): | () | Page No(s): | () | Page No(s): | (<u>N/A</u>) |
| | | | | The pa | ges identified are | an essential part of this repo | ort (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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| PAR1 | 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND | TEST | RESUL | .TS | Cir | cuits/equipment vul | nerat | ole to (| damag | e whe | n testing: | | | | | | | | | | | | | |
|---|--|-----------------------------|------------------------------|-------------------------|-------------------------|--------------------------------|--------------------------------------|--|------------------|---------------------------|---------------------------|---------------------------|---|-----------|----------------------------------|------------|--------------------------------|--------------|----------------|------------------------------|-----------------------|----------|--|------------------|--------------|-------------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cab conduit | les in (| C) Thermopl non-meta | astic cables i Ilic conduit | in (D) T | Thermoplastic cables in (E) netallic trunking | Thermo non-me | plastic ca tallic trun | ables in Iking | (F) Ther | moplastic / SV | VA cables | (G)Thermosetti | ng / SWA (| cables (H) | Mineral-insu | lated cable | es (O) ot | her - state | LSX M | ULTICO | RE CABLING | | |
| er | Circuit description | 5 | thod | served | | cuit ctor csa | ction 1) | Protective | e devic | e | | RCD | iitted ed ice* | | | mpedano | | | Ins | ulation resi | stance | | earth ince, Zs | RCD operating | | est tons |
| Circuit number | | Type of wirir (see Codes | Reference Metho (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circuits of sured end to e | | All cir (complete one co | e at least | Live / Live | Live / Earth | Test voltage DC | Polarity | 🗑 Max. measured earth Sfault loop impedance, Zs | time | RCD | AFDD |
| | | 0 | _ | z | (mm²) | (mm²) | (s) | | | (A) | (kA) | (mA) | (Ω) | rı | rn | Г 2 | (R1+R2) | R₂ | (MΩ) | (MΩ) | (V) | | | (ms) | | |
| | LIGHTING LCM - CORRIDOR | 0 | В | / | 2.5 | 2.5 | | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.50 | | >200 | >200 | 500 | |).48 | | | ┝── |
| | LIGHTING LCM - ROOM 3.01, 3.02 LIGHTING LCM - ROOM 3.16 | 0 | в В | 2 | | 2.5 2.5 | - | 60898 MCB 60898 MCB | C C | 10 10 | 10 10 | | 2.19 2.19 | | | | 0.25 0.33 | | >200 >200 | >200 >200 | 500 500 | |).22 | | \vdash | - |
| | LIGHTING LCM - ROOM 3.16 | U D | B | 5 E | | 2.5 2.5 | - | 60898 MCB | с С | 10 | 10 | <u> </u> | 2.19 | | | | 0.33 0.37 | | >200 | | 500 500 | |).42 | | \vdash | <u> </u> |
| | LIGHTING LCM - CORRIDOR | D D | B | 0 0 | 2.5 2.5 | 2.5 2.5 | | 60898 MCB | с С | 10 | 10 | | 2.19 | | | | 0.37 | | >200 | >200 >200 | 500 | | | ├─── ┤ | \vdash | <u> </u> |
| | LIGHTING LCM - NC | 0 | B | ა ი | | 2.5 2.5 | | 61009 RCD/RCB0 | с С | 10 | - | 30 | 2.19 | | | | 0.40 | | >200 | >200 | 500 500 | | | 19.2 | \vdash | <u> </u> |
| 3/L1 SPARE Image: Constraint of the system of the sys | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L2 LIGHTING LCM - LIFT LOBBY, DISABLED 0 B 2 2.5 0.4 61009 RCD/RCBO C 10 10 30 2.19 0.44 >200 >200 500 >0.80 29.2 > > 3/L3 LIGHTING LCM - LIFT ENTRANCE 0 B 1 2.5 0.4 60898 MCB C 10 10 2.19 0.43 >200 >200 500 >0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L3 LIGHTING LCM - LIFT ENTRANCE 0 B 1 2.5 0.4 60898 MCB C 10 2.19 0.43 >200 >200 >00 >0.42 0.42 0.43 4/L1 SPARE I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L3 LIGHTING LCM - LIFT ENTRANCE 0 B 1 2.5 0.4 60898 MCB C 10 2.19 0.43 >200 >200 >00 2.42 0.42 0.43 4/L1 SPARE I< | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L3 LIGHTING LCM - LIFT ENTRANCE 0 B 1 2.5 0.4 60898 MCB C 10 0.19 0 0.43 >200 >200 >00 0.42 0 0 4/L1 SPARE I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L1 SPARE I < | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LIGHTING - CORRIDOR PIR CONTROL | 0 | В | 7 | 2.5 | 2.5 | 0.4 | 60898 MCB | С | 6 | 10 | | 3.64 | | | | 0.96 | | >200 | >200 | 500 | ~1 | 1 19 | | ┝───┦ | <u> </u> |
| | SPARE | - | | - | 2.0 | | 0.1 | | - | Ĕ | | | 0.01 | | | | 0.00 | | - 200 | 200 | | Ť | | | ┝───┦ | <u> </u> |
| | SPARE | | - | | | | | | | + | | | | | | | | | | | | ++ | | | ├ ──┦ | |
| | KHW METER | D | В | 1 | 1.0 | 1.0 | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | ++ | | | | <u> </u> |
| 5/L2 | KWH METER | D | В | 1 | 1.0 | 1.0 | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | ++ | | | | |
| 6/L3 | KWH METER | D | В | 1 | 1.0 | 1.0 | | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | ++ | | | | |
| | RIBUTION BOARD (DB) DETAILS e completed in every case) | | • | | DB/W/LT WEST RI | | D FLOO | | ED E | | | | als): <u>DAN</u> | | ONNOR | | | | | on: <u>APPR</u> 01/12/20: | | LECT | RICIAI | <u>N</u> | | |
| | E COMPLETED ONLY IF THE DB IS y to DB is from: (RISING BUSBAR TAP OFF | | T COI | | | | | THE ORIGIN OF T | | | | TION | | phases: | 13 | , | | | mber a | NTS against e | | | | ed) | | |
| | urrent protection device for the distribution | | cuit T | | | | | | | ng: (10 | | .,∨)A | 110.01 | piiu363. | 10 | , | (100812) | | | |) (| ontinu | | | |) |
| | iated RCD (if any) Type: (BS EN 88 | | | | 0 211 00 | | No. | of poles: () | | ۵ <u>л</u> (| | ••• | Operati | ng time: | (|) ms | Insulat (| ion resis | stance | : | E:) (| arth fa | ault lo | op impeda | ance: |) |
| Chara | cteristics at this DB Confirmation of sup | | | | | | | | | | | | | | (3.6 |)kA | Earth e (| lectrode | e resist | tance: | R) (| CD: | | | |) |
| Publishe | ort is based on the model forms shown in Appen d by Certsure LLP Certsure LLP oper K House. Houchton Hall Park. Houchton Regis. Di | ates th | e NICE | IC & ELI | ECSA brar | ıds | © C | *Where fig opyright Certsure LLP (| | | | | | | | (| | | | |) | | | Page | e6 of | 32 |



Electrical Contracting Engineers

UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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ELECTRICAL INSTALLATION CONDITION REPORT

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

| PAR | T 12 : SCHED | ULE OF CIRCUIT D | ETAILS | AND | TEST | RESU | LTS | Cir | cuits/equipment v | vulnera | ble to | damag | je whe | en testing | j: | | | | | | | | | | | |
|---|---|--|------------------------------|-------------------------------|-------------------------|-------------|----------------------------------|--------------------------------------|--------------------------|-----------|-------------------------------|---------------------------|---------------------------|---|------------------------|---|----------------|-----------------|----------------------------------|----------------|-----------------|-----------------------|--|------------------|-------------------------|------|
| CODES | For Type of wiring | (A) Thermoplastic insulated / sheathed cables | (B) Thermop metallic | | les in (| | lastic cables i allic conduit | n (D) T | hermoplastic cables in (| | ioplastic ca ietallic trun | | (F) The | rmoplastic / S' | WA cables | (G)Thermose | etting / SWA c | ables (H) | Mineral-insu | lated cable | s (0) oth | ner - state | LSX MULTIC | ORE CABLING | i | |
| ar | Ci | ircuit description | 5 | poq | served | | rcuit ctor csa |)) | Protec | tive devi | ce | | RCD | | | | it impedanc | | | Insu | lation resi | stance | earth nce, Zs | RCD operating | Tes | |
| Circuit number | | | Type of wirin (see Codes) | Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | Ring (mea (Line) | final circuit asured end to (Neutral) | | (complet | ircuits te at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity Max. measured earth Öfault loop impedance, Zs | time | RCD | AFDD |
| 1/L1 | UNDERFLOOR P | | G | В | 1 | (mm²) 10 | (mm²) 10 | (s) 0.4 | 61009 RCD/RCBO | C | (A) 32 | (kA) 10 | (mA) 30 | (Ω) 0.68 | ri - | rn | Γ2 | (R1+R2) 0.28 | R2 | (MΩ) >200 | (MΩ) >200 | (V) 500 | (Ω) 0.37 | (ms) 28.8 | | |
| 1/L1 1/L2 | UNDERFLOOR P | | G | Р В | 1 | 10 | | - | 61009 RCD/RCB0 | - | 32 | 10 | 30 30 | 0.68 | | | | 0.28 0.32 | | >200 >200 | >200 | 500 500 | ✓ 0.37 ✓ 0.40 | 12.8 | \checkmark | |
| 1/L2 1/L3 | UNDERFLOOR P | | 0 | B | 1 | 10 | | | 61009 RCD/RCB0 | | 32 | 10 | 30 | 0.68 | | | | 0.32 0.45 | | >200 | >200 | 500 | ✓ 0.40 | 21.6 | $\overline{\checkmark}$ | |
| 2/L1 | UNDERFLOOR P | | 0 | B | 1 | 10 | | - | 61009 RCD/RCB0 | | 32 | 10 | 30 | 0.68 | | | | 0.43 | | >200 | | 500 | ✓ 0.33 | 19.6 | $\overline{\checkmark}$ | |
| 2/L1 2/L2 | UNDERFLOOR P | | G | B | 1 | 10 | | | 61009 RCD/RCB0 | | 32 | 10 | 30 | 0.68 | | | | 0.21 | | >200 | | 500 | ✓ 0.20 | 19.6 | $\overline{\mathbf{x}}$ | |
| 2/L2 2/L3 | | | י ה | B | 1 | 10 | | - | | | 32 | 10 | 30 | 0.68 | + | + | | 1.38 | | >200 | | 500 | ✓ 0.33 ✓ 0.98 | 12.8 | · · | |
| 3/L1 UNDERFLOOR POWER TRACK G B 1 10 0.4 61009 RCD/RCBO C 32 10 30 0.68 a b b b b b b b b b b c b c <thc< th=""> c <thc< th=""> <thc< th=""> <thc< td=""></thc<></thc<></thc<></thc<> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L1 UNDERFLOOR POWER TRACK G B 1 10 0.4 61009 RCD/RCBO C 32 10 30 0.68 a b 1.6 >200 >200 500 0.27 12.8 v a 3/L2 CLEANERS SOCKET G B 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.55 0.46 0.21 >200 >200 v 0.25 12.4 v | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L2 CLEANERS SOCKET G B 4 4 0.4 61009 RCD/RCB0 C 32 10 30 0.68 0.55 0.46 0.21 >200 >200 >00 >0.25 12.4 > 3/L3 HAND DRYERS - WC G B 2 4 0.4 60898 MCB C 32 10 30 0.68 0.46 0.45 0.21 >200 >200 \$00 >0.16 12.4 > > | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L3 HAND DRYERS - WC G B 2 4 0.4 60898 MCB C 32 10 30 0.68 0.48 0.46 0.45 0.22 >200 >200 >00 > 0.16 0 0 4/L1 WATER HEATER, TAP SENSOR G B 5 4 0.4 60898 MCB C 32 10 30 0.68 0.48 0.46 0.45 0.22 >200 >200 >00 > 0.16 0 0 4/L1 WATER HEATER, TAP SENSOR G B 5 4 0.4 60898 MCB C 32 10 30 0.68 0.63 0.59 0.48 0.24 >200 >200 >0.60 > 0.24 >200 >200 0.26 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L1 WATER HEATER, TAP SENSOR G B 5 4 0.4 60898 MCB C 32 10 30 0.68 0.63 0.59 0.48 0.24 >200 >200 500 0.26 0.24 0.24 0.24 0.24 0.24 0.24 0.20 0.20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L1 WATER HEATER, TAP SENSOR G B 5 4 4 0.4 60898 MCB C 32 10 30 0.68 0.63 0.59 0.48 0.24 >200 >200 500 🗸 0.26 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | _ | + | | | | | | | | | + | | | | | | | | | | | | \vdash | |
| | SPARE | | | | | <u> </u> | | | | | | | - | + | | | | | | | | | | | \vdash | |
| | SPARE | | | | | <u> </u> | | | | | | | - | + | | | | | | | | | | | | |
| | SPARE | | | | | <u> </u> | | | | | | | - | + | | | | | | | | | | | \vdash | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | + | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | + | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | OARD (DB) DETAI | DB | desian | ation: | DB/W/SI | P/3 | 1 | | STED | BY | Name | (capita | als): DAN | NNY O'C | ONNOR | | | | Positio | n: APPR | OVED E | LECTRICI | AN | <u> </u> | |
| | | in every case) | LJ | °, | | | SER - 3R | | | | | | | Dóan | | | | | | |)1/12/202 | | | | | |
| TO B | | ED ONLY IF THE D | B IS NO | T COM | NNEC | TED D | IRECTL | Y TO 1 | HE ORIGIN O | F THE | INST | 'ALL/ | | N N | | | | TEST | INSTR | UMEN | ITS | | | | | |
| | | (RISING BUSBAR TAP | | | | | | |) Nomin | | | | _)V | | phases: | : (<u>3</u> |) | | serial nu function: | | gainst e | | trument u ontinuity: | sed) | | |
| Overo | urrent protectio | on device for the distril | bution cire | | | | | | | | | |)A | | | | | · | 3101508 tion resis | | |) (<u></u> | arth fault I | oop imped | ance: |) |
| Asso | iated RCD (if an | y) Type: (BS EN | | | | |) | No. (| of poles: (|) | ĩ∆n (| |) mA | Operat | ing time: | : (|) ms | (| | | |) (| | oop mibeu | |) |
| | | s DB Confirmation o | | | | | | | | | | | | | | | | Earth e | electrode | e resist | ance: | R() (| CD: | | |) |
| This rep | ort is based on the ed by Certsure LLP | model forms shown in Ap | ppendix 6 of | f BS 767 | 1 | | | | | figure i | s not tak | | | 71, state s | · · | | | | | | |) | | Page | e7 of | 32 |

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CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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| | | CODES For Type of wiring | (A) Thermoplastic insulated / sheathed cables | (B) Therm | oplastic c ic conduit | ables in | (C) Therm | ioplastic cabl ietallic condu | es in ([iit | D) Thermoplastic cables in metallic trunking | (E) The nor | ermoplasti n-metallic 1 | c cables ir trunking | י (F) ד | 'hermoplastic | : / SWA cables | (G) Ther | nosetting / SV | NA cables | (H) Mineral- | insulated ca | ables (C |)) other - sta | ite LSX | X MULTIC | ORE CABLIN | G | |
|---|--------------------|---|--|--|-------------------------------------|-----------------------------------|-----------------|----------------------------------|--------------------------------|---|--|---|--|--|--|-------------------------------|---|----------------|---------------------------------|---|---|------------------------------|-------------------------|-----------------------------|---|------------|--------------|------|
| B/L1 FAN COIL UNITS D B B 4 D,4 B0898 MCB C D0 1.09 D,41 -200 500 > 0.53 D B/L3 FAN COIL UNITS D B 4 4 D,4 60898 MCB C D0 1.09 D,26 -200 500 > 0.43 D B/L3 SPARE D < | | | cuit description | 5- | hod | served | | | ction 1) | Protect | ive devic | e | | | itted ed ce* | | | • | | | Insu | ulation res | istance | | earth nce, Zs | operating | Tes butto | |
| B/L1 FAN COIL UNITS D B B 4 D,4 B0898 MCB C D0 1.09 D,41 -200 500 > 0.53 D B/L3 FAN COIL UNITS D B 4 4 D,4 60898 MCB C D0 1.09 D,26 -200 500 > 0.43 D B/L3 SPARE D < | | Circuit numb | | Type of wirin (see Codes) | Reference Met (BS 7671) | mber of points | | | Max. disconnec time (BS 767 | BS (EN) | Type | Rating | hort-circuit capacity | Operating current, I∆r | Aaximum perm Zs for installe protective devi | Ring f (meas | sured end t | o end) | (comple | te at least | | | voltage | Polarity | Aax. measured ult loop impeda | time | | 4500 |
| B/L2 FAN COIL UNITS D B 4 4 0.4 80888 MCB C 20 1.09 1.09 2.26 >200 500 0.43 1 B/L3 SPARE Image: Sparse state | | | | | – | ^{III} N | | | (s) | | | (A) | | (mA) | | | | | (R1+R2) | R2 | (MΩ) | | (V) | | | (ms) | RCD | AFDD |
| B/L3 SPARE Image: Constraint of the second sec | | | - | | | 8 | 4 | | | | C | | | | | | | | | | | | | | | | | |
| DISTRIBUTION BOARD (DB) DETAILS DB designation: DB/W/SP/3 TESTED BY Name (capitals): DANNY O'CONNOR Position: APPROVED ELECTRICIAN | | | S | 0 | В | 4 | 4 | 4 | 0.4 | 60898 MCB | С | 20 | 10 | | 1.09 | | | | 0.26 | | >200 | >200 | 500 | ✓ | 0.43 | | | |
| | 8/L | L3 SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DISTRIBUTION B | OARD (DB) DETAIL | .S DE | 3 desiç | gnatior | n: <u>DB/W/</u> | <u>SP/3</u> | | TE | ESTEE |) BY | Nam | ne (cap | vitals): <u>D</u> | ANNY 0 | CONNO | R | | | Posit | tion: <u>AP</u> | PROVE |) ele | CTRICIA | AN | | |
| TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION (enter serial number against each instrument used) | | | | | - | - | | | 3RD FL | | STEE |) BY | | - | <u></u> | | CONNO | R | | | | | |) ELE | CTRICIA | AN | | |
| Supply to DB is from: (RISING BUSBAR TAP OFF) Nominal voltage: (400)V No. of phases: (3) Multi-function: Continuity: | ([] | (to be completed TO BE COMPLET | in every case) ED ONLY IF THE DE | Lo B IS NO | cation | of DB | : WEST | RISER - : | | 00R | | | Sign | ature: | Dóa | | CONNO | <u>R</u> | | | Date | : 01/12 ENTS | /2020 | | | | | |
| Overcurrent protection device for the distribution circuit Type: (BS EN 88 Earth fault loop impedance: | (S | (to be completed TO BE COMPLETI Supply to DB is from: | in every case) ED ONLY IF THE DE (RISING BUSBAR TAP | Lo B IS NO OFF | cation DT C(| of DB | CTED | RISER - : Direct | | OOR | OF TH inal vo | IE IN (| Sign STAL (400 | ature: LATI()V | Dóa DN No. | um. | | R) | (ent | <mark>er serial</mark> Iti-functio | Date FRUM numbe on: | : 01/12 ENTS | /2020 | instru | iment u | | | |
| Associated RCD (if any) Type: (BS EN) No. of poles: ()) ()mA Operating time: ()ms () Earth electrode resistance: RCD: |) 1 9 0 | (to be completed TO BE COMPLETI Supply to DB is from: Overcurrent protection | in every case) ED ONLY IF THE DE (RISING BUSBAR TAP on device for the distrib | Lo B IS NO OFF ution ci | cation DT CC rcuit | of DB DNNE Type: | CTED | RISER - : DIRECT 88 | ΓLΥΤ(| OOR D THE ORIGIN () Nom | OF TH inal vo | IE INS Itage: ating: | Sign STAL (400 (100 | ature: LATI()V)A | Docu DN No. | of phase | s: (<u>3</u> | R) | (ent Mu (<u>100</u> | er serial Iti-functio 81231015 | Date TRUM number on: 508263 | : 01/12 ENTS r again: | /2020 | instru Cont | iment u | sed) | Jance: |) |
| Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): \Box_{ZS} (0.01) Ω_{Ff} (23) kA |) 1 2 4 | (to be completed TO BE COMPLETI Supply to DB is from: Overcurrent protection Associated RCD (if an | in every case) ED ONLY IF THE DE (RISING BUSBAR TAP on device for the distrib ny) Type: (BS EN | Lo B IS N(OFF ution ci | cation DT C(rcuit | of DB DNNE | CTED | RISER - : DIRECT | rly T() N | OOR D THE ORIGIN () Nom | DF TH inal vo) R) | IE INS Itage: ating: <u>A</u> n | Sign STAL (400 (100 | ature: LATI()V)A)m | Dóa DN No. A Oper | of phase | s: (<u>3</u> |))ms | (ent Mu (100 Insu (| er serial Iti-functio 81231015 Jation re | Date TRUMI number on: 508263 esistanc | e: 01/12 ENTS r agains | /2020 st each i) | instru Cont (Eart | iment u tinuity: h fault l | sed) | dance: |) |
| This report is based on the model forms shown in Appendix 6 of BS 7671 *Where figure is not taken from BS 7671, state source: () Published by Certsure LLP Certsure LLP operates the NICEIC & ELECSA brands © Copyright Certsure LLP (July 2018) Page 8 of Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX | (5 0 4 | (to be completed TO BE COMPLETI Supply to DB is from: Overcurrent protectio Associated RCD (if ar Characteristics at thi | in every case) ED ONLY IF THE DE (RISING BUSBAR TAP on device for the distrib ny) Type: (BS EN s DB Confirmation of | Lo B IS NO OFF ution ci supply | cation DT C(rcuit polarit | of DB DNNE Type: ty: (Ye | CTED | RISER - : DIRECT | rly T() N | OOR D THE ORIGIN () Nom lo. of poles: (e confirmed (where | DF TH inal vo) R) e appro | IE INS Itage: ating: <u>A</u> n opriate | Sign STAL (400 (100 (| ature: LATI()V)A)m] <i>z</i> |) ó a DN No. A Oper is (<u>0.01</u> | of phase rating time)Ω | s: (<u>3</u> e: (Z _f (<u>23</u> |))ms | (ent Mu (100 Insu (| er serial Iti-functio 81231015 Jation re | Date TRUMI number on: 508263 esistanc | e: 01/12 ENTS r agains | /2020 st each i) | instru Cont (Eart | iment u tinuity: h fault l | sed) | Jance: | |

Circuits/equipment vulnerable to damage when testing:



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ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND 1 | TEST | RESU | LTS | Cir | cuits/equipment vulr | nerab | le to c | damag | e whe | n testing | : | | | | | | | | | | | | |
|--|---|-------------------------------|-------------------------------|-------------------------|---------------------|-----------------------------------|--------------------------------------|--|--------|---------------------------|---------------------------|---------------------------|---|--------------|-------------------------------|--------------|--------------|--------------------------------|----------------|------------------------------|-----------------------|--------------|--|------------------|--------------|-------------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cable conduit | es in (| | lastic cables in allic conduit | | | | plastic ca tallic trun | | (F) Ther | moplastic / SV | VA cables | (G)Thermose | etting / SWA | cables (H) | Mineral-insu | lated cable | s (0) oth | ner - state | LSX N | NULTICO | RE CABLING | | |
| _ | Circuit description | | po | erved | | rcuit ctor csa | ion | Protective | device | 9 | | RCD | ted 1 e* | | Circui | it impedan | ces (Ω) | | Ins | ulation resis | stance | | earth ce, Zs | RCD operating | | est tons |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | (mea | final circuit sured end to | o end) | (complet | rcuits e at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth ault loop impedance, Zs | time | | |
| | | | | Ñ | Live (mm²) | cpc (mm²) | (s) | | | (A) | ∽ (kA) | (mA) | (Ω) | (Line) rı | (Neutral) rn | (cpc) r2 | (R1+R2) | R₂ | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | кср | AFDD |
| 1/L1 | LIGHTING LCM - TEA POINT | 0 | В | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 2.19 | | | | 0.57 | | >200 | >200 | 500 | | | 30.0 | \checkmark | |
| 1/L2 | LIGHTING LCM - SPARE | 0 | В | 1 | 2.5 | | 0.4 | 60898 MCB | С | 10 | 10 | | 2.19 | | | | 0.48 | | >200 | | 500 | \checkmark | 0.36 | | | |
| 1/L3 | LIGHTING LCM - ROOM 3.20, 3.21, 3.22 | 0 | В | 3 | 2.5 | | 0.4 | 60898 MCB | С | 10 | 10 | | 2.19 | | | | 0.65 | | >200 | >200 | 500 | \checkmark | 0.37 | | | |
| 2/L1 | LIGHTING LCM - TEA POINT | 0 | В | 1 | 2.5 | | 0.4 | 61009 RCD/RCBO | С | 10 | 10 | 30 | 2.19 | | | | 0.65 | | >200 | >200 | 500 | \checkmark | 0.67 | 29.2 | \checkmark | |
| 2/L2 | LIGHTING LCM - ROOM 3.09 | 0 | В | 3 | 2.5 | 2.5 | | 60898 MCB | С | 10 | 10 | | 2.19 | | | | 0.34 | | >200 | | 500 | | 0.18 | | | |
| 2/L3 | LIGHTING LCM - ROOM 3.06, 3.07 & | 0 | В | 3 | 2.5 | 2.5 | 0.4 | 60898 MCB | С | 10 | 10 | | 2.19 | | | | 0.50 | | >200 | >200 | 500 | \checkmark | 0.27 | | | |
| 3/L1 LIGHTING LCM - ROOM 3.03, 3.04 0 B 4 2.5 0.4 60898 MCB C 10 10 2.19 0.47 >200 >200 500 0.59 0.4 0.47 3/L2 SPARE 0 0 0 0 0 0 0 0.47 >200 >200 \$00 0.59 0.4 0 </td <td></td> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/L2 SPARE Image: Spare in the system of the system o | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L3 | 3/L2 SPARE Image: Space of the system o | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L1 | 3/1.3 SPARE Image: SPARE< | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L2 | JL3 SPARE Image: Spare in the system of | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L3 | /L1 SPARE I </td <td></td> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/L1 | /L1 SPARE I </td <td></td> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/L2 | SPARE | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 5/L3 | SPARE | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 6/L1 | KWH METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | 1 | 1 | | | | | |
| 6/L2 | KWH METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | 1 | Γ | | | | |
| 6/L3 | KWH METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | 1 | 1 | \square | | | | |
| | FRIBUTION BOARD (DB) DETAILS be completed in every case) | | - | | DB/E/LT/ EAST RI | '3 SER - 3RD |) FLOOF | TESTE | ED B | | | _ | als): <u>DAN</u> Dóan | | ONNOR | | | | | on: <u>APPR</u> 01/12/202 | | LEC | TRICIA | <u>N</u> | | |
| T0 | BE COMPLETED ONLY IF THE DB IS | S NO | T CON | INEC | TED D | IRECTLY | Y TO 1 | THE ORIGIN OF T | HE | INST | ALLA | TION | I | | | | | | | NTS against e | ach ins | trun | nent us | ed) | | |
| Supp | ly to DB is from: (RISING BUSBAR TAP OFF | = | | | | | |) Nominal v | volta | ge: (<u>3</u> | | _)V | No. of | phases: | (400 |) | Multi-f | unction: | | gamoro | | | nuity: | 547 | | , (|
| | current protection device for the distributio | | | | | | | | | | | | | | | | · | 3101508 ion resis | | : |) (Eŧ | arth | fault lo | oop imped | ance: |) |
| | ciated RCD (if any) Type: (BS EN | | | | | | | | | | | | | | |) ms | (Earth e | electrode | e resist | ance: |) (| CD: | | | |) |
| Char | acteristics at this DB Confirmation of sup | oply po | olarity: | (Yes |) Ph | ase sequ | ence c | | | | | | | <i>P</i> · · | (4.3 |) kA | (| | | |) (| | | | |) |
| | oort is based on the model forms shown in Appended by Certsure LLP Certsure LLP operations | | | | ECSA bra | nds | ©C | Where figu# ۵ opyright Certsure LLP | | | en fron | n BS 76 | 71, state s | ource: (| | | | | | |) | | | Page | 9 of | 32 |



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND ⁻ | TEST | RESU | _TS | Cir | cuits/equipment vulr | nerat | ole to c | damag | ge whe | n testing | I: | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|--------------------|-----------------------------------|--------------------------------------|-------------------------|--------|---------------------------|---------------------------|---------------------------|---|--------------|---------------------------------|--------------|------------|--------------------------------|----------------|-----------------------------|-----------------------|--------------|--|------------------|--------------|-------------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cabl conduit | es in (| | lastic cables in Illic conduit | | | | plastic ca tallic trun | | (F) Ther | moplastic / S | WA cables | (G)Thermos | etting / SWA | cables (H) | Mineral-insu | lated cable | es (0) ot | :her - state | LSX M | NULTICO | ORE CABLING | | |
| | Circuit description | | po | erved | | cuit ctor csa | uoi | Protective | devic | e | | RCD | e* | | Circu | iit impedano | ces (Ω) | | Insi | ulation resi | istance | | arth ce, Zs | RCD operating | | est tons |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | Ring (me | g final circuit asured end t | io end) | (complet | rcuits e at least blumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth ault loop impedance, Zs | time | | |
| | | | - | Nur | Live (mm²) | cpc (mm²) | ∠ (s) | | | (A) | ぶ (kA) | (mA) | 2 – (Ω) | (Line) rı | (Neutral) rn | (cpc) r2 | (R1+R2) | R₂ | (MΩ) | (MΩ) | (V) | | an ≤ (Ω) | (ms) | RCD | AFDD |
| 1/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.68 | | | | 0.64 | | >200 | >200 | 500 | \checkmark | 0.70 | 31 | \checkmark | |
| 1/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.27 | | >200 | >200 | 500 | \checkmark | 0.18 | 31 | \checkmark | |
| 1/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.43 | | >200 | >200 | 500 | \checkmark | 0.65 | 31 | \checkmark | |
| 2/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.16 | | >200 | >200 | 500 | \checkmark | 0.12 | 31 | \checkmark | |
| 2/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.42 | | >200 | >200 | 500 | | 0.18 | 29 | \checkmark | |
| 2/L3 | /L1 GENERAL POWER - BOOTH & TV G B 5 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.36 0.38 0.39 0.66 >200 >200 500 🗸 0.14 33 🗸 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L1 | /L1 GENERAL POWER - BOOTH & TV G B 5 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.36 0.38 0.39 0.66 >200 >200 500 🗸 0.14 33 🗸 1/2 CLEANERS SOCKET G B 3 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.58 0.57 0.57 0.44 >200 >200 500 \checkmark 0.22 29 \checkmark | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L2 | /L2 CLEANERS SOCKET G B 3 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.58 0.57 0.44 >200 >200 500 🗸 0.22 29 🗸 /L3 SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/L3 | K/L2 CLEANERS SOCKET G B 3 4 0.4 61009 RCD/RCB0 C 32 10 30 0.68 0.57 0.57 0.44 >200 >200 >200 >0 2 29 2 V/L3 SPARE Image: Society of the state of the st | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L1 | 3/L3 SPARE and a series of the | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L2 | VI/L1 VIVREAU & WATER HEATERS - TEA G B 2 4 0.4 60898 MCB C 32 10 N/A 0.68 0.55 0.51 LIM >200 >200 500 ✓ LIM //L2 APPLIANCES - TEA POINT 0 B 8 4 0.4 60898 MCB C 32 10 N/A 0.68 0.55 0.51 LIM >200 >200 500 ✓ LIM | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L3 | /L1 VIVREAU & WATER HEATERS - TEA G B 2 4 0.4 60898 MCB C 32 10 N/A 0.68 0.55 0.51 LIM >200 >200 500 ✓ LIM /L2 APPLIANCES - TEA POINT 0 B 8 4 0.4 60898 MCB C 32 10 N/A 0.68 0.50 0.49 0.49 0.24 >200 >200 \$00 ✓ 0.14 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/L1 | GENERAL POWER - TEA POINT | G | В | 5 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.54 | 0.87 | 0.52 | 0.54 | | >200 | >200 | 500 | \checkmark | 0.39 | 29 | \checkmark | |
| 5/L2 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 5/L3 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 6/L1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 6/L2 | | | | | | | | | | | | | | | | | | | | 1 | 1 | \square | | | | |
| 6/L3 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 7/L1 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 7/L2 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| | FRIBUTION BOARD (DB) DETAILS be completed in every case) | | - | | DB/E/SP EAST RI | /3 Ser - 3rd |) FLOOF | | ED B | | | - | als): <u>DAN</u> D <i>óc</i> ur | | CONNOR | | | | | on: <u>APPR</u> 01/12/20 | Roved e 120 | LECT | FRICIA | N | | |
| TO E | BE COMPLETED ONLY IF THE DB IS | S NO | T CON | INEC | TED D | RECTLY | Y TO T | HE ORIGIN OF T | ΉE | INST | ALL | ATION | | | | | | INSTR | | | | | | | | |
| | ly to DB is from: (RISING BUSBAR TAP OFF | | | | | | |) Nominal v | | | |) V | | phases | : (3 |) | | erial nu unction: | | gainst e | each ins כנ | | nent us nuity: | .ed) | | |
| | current protection device for the distributio | | | | | | | | | ng: (10 | |)A | | | | | | 3101508 | | |) (| | -1 | | |) |
| | • | | | • | | | | | | | | | | | | | Insulat | ion resis | stance: | | Ę | arth | fault lo | oop imped | ance: | |
| Asso | ciated RCD (if any) Type: (BS EN | | | | |) | No. d | of poles: () | 17 | <u>n</u> (| |) mA | Operat | ing time | : (|) ms | (| le et | | |) (<u></u> | | | | |) |
| Chara | acteristics at this DB Confirmation of sup | oply p | olarity: | (Yes |) Ph | ase sequ | ence co | onfirmed (where app | ropr | iate): | \checkmark | Zs | (0.02 |)Ω | , (<u>10</u> |)kA | Earth e | lectrode | resist | ance: |) (<u></u> | CD: | | | |) |
| | port is based on the model forms about in Annan | div 6 at | 00 767 | 1 | | | | *Where figu | ire is | not tak | en froi | | | <i>p</i> r | | | | | | |) | | | | | |
| | oort is based on the model forms shown in Append ed by Certsure LLP Certsure LLP opera | | | | ECSA bra | nds | © Co | opyright Certsure LLP (| | | | | , otato e | | | | | | | | | | | Page | e 10 of | 32 |



Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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Electrical Contracting Engineers UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

This continuation sheet is not valid if the serial number is not the same as the corresponding report.

106195

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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

IPR18

| SCH | EDULE OF CIRCUIT DETAILS AND | TES | T RES | SULT | S | | | Circuits/equipm | ent vulne | rable t | to dam | nage w | hen testi | ng: | | | | | | | | | | | | |
|--|--|-------------------------------|-------------------------------|-------------------------|----------|-------|-------------------------------------|--|-------------------------------------|---|-----------------------------------|---------------------------|---|-----------------------------|--|-----------------|---|---|------------------------------------|-----------------|-----------------------|--------------|---|--------------------------|--------------|------|
| CODE | sheathed cables ("metallic conduit ("metallic conduit ("metallic trunking ("metallic t | | | | | | | | | | | | | | G (G) Thern | nosetting / SV | WA cables (| H) Mineral-i | insulated ca | ables (O |) other - state | LSX | MULTICO | IRE CABLING | | |
| mber | Circuit description | viring des) | Method 71) | nts served | Cir | cuit | ax. disconnection time (BS 7671) | Prot | - | | | | ermitted talled device* | Ring | Circui final circuits sured end to | | All ci | rcuits | Insu | ulation resi | stance | ity | ıred earth edance, Zs | RCD operating time | Te: butto | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | срс | Max. discor time (BS | BS (EN) | Туре | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | (Line) | (Neutral) | (cpc) | | e at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | Barth (Barth) | | RCD | AFDD |
| - // 0 | | | | z | (mm²) | (mm²) | (s) | | | (A) | (kA) | (mA) | | rı | rn | Γ2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | (Ωີ) | (ms) | | |
| 7/L3 | | 0 | D | - | 4 | | 0.4 | | 0 | 20 | 10 | N1/A | 1.00 | | | | 0.00 | | 200 | 200 | 500 | | 0.47 | | | |
| 8/L1 8/L2 | FAN COIL UNITS FAN COIL UNITS | 0 | - | 5 5 | 4 4 | | 0.4 0.4 | 60898 MCB 60898 MCB | C C | 20 20 | 10 10 | N/A N/A | 1.09 1.09 | | | | 0.39 0.41 | | >200 >200 | >200 >200 | 500 500 | | 0.47 0.38 | | | |
| 8/L2 | | U | D | 5 | 4 | 4 | 0.4 | | U. | 20 | 10 | N/A | 1.09 | | | | 0.41 | | >200 | >200 | 500 | \checkmark | 0.30 | | | |
| DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case) DB designation: DB/E/SP/3 Location of DB: EAST RISER - 3RD FLOOR TESTED BY Signature:) journame Name (capitals): DANNY 0'CONNOR Signature:) journame Position: APPROVED ELECTRIC Date: 01/12/2020 TO BE COMPLETED ONLY IF THE DR IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION TEST INSTRUMENTS | | | | | | | | | | | | | | CTRICIA | <u>N</u> | | | | | | | | | | | |
| Supp Over Asso | BE COMPLETED ONLY IF THE DB Ny to DB is from: (RISING BUSBAR TAP O current protection device for the distribut iciated RCD (if any) Type: (BS EN acteristics at this DB Confirmation of su | FF ion ci | rcuit | Туре: | (BS EN | 88 | _) N |) No lo. of poles: (e confirmed (wh | ominal vol) R) ere appro | ltage: ating: <u>A</u> n opriate | (<u>400</u> (<u>100</u> (| V() A() m(2 | No. nA Oper 7 ₅ (<u>0.02</u> | of phase ating tim)Ω | e: (77 (10 |))ms)kA | (ente Mult (1008 Insu (Eart | T INST ir serial i-functio 1231015 lation re h electro | number on: 08263 esistanc | r agains ce: |) (| Conti | inuity: n fault lo | ed) Dop imped | ance: |) |
| | port is based on the model forms shown in Appe ed by Certsure LLP Certsure LLP ope | | | | ELECSA b | rands | (| WI* Copyright Certsu© | 'here figure ure LLP (Ju | | | rom BS | 7671, stat | e source: | (| | | | | |) | | | Page 11 | of | 32 |



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | ILS | AND [.] | rest | RESUL | .TS | Cir | cuits/equipment vul | nerab | le to d | damage | e whei | n testing: | : | | | | | | | | | | | | |
|----------------|---|-------------------------------|-------------------------------|-------------------------|-------------------------|--------------------------------|--------------------------------------|---|--------------------|-------------------------|---------------------------|---------------------------|---|-----------|---|--------------|--------------------|--------------------------------|----------------|-----------------|-----------------------|-------------------------|---|------------------|--------------|-------------|
| CODE | 5 For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | olastic cabl conduit | es in ((| C) Thermopl non-meta | astic cables i llic conduit | in (D) T | hermoplastic cables in (E) netallic trunking | Thermop non-met | lastic ca allic trun | ibles in king | F) Therr | noplastic / SV | VA cables | (G)Thermoset | ting / SWA o | ables (H) | Mineral-insu | lated cables | s (0) of | ther - state | LSX M | ULTICOF | RE CABLING | | |
| er | Circuit description | <u> </u> | thod | served | | cuit ctor csa | ction 1) | Protectiv | e device | | | RCD | iitted ed ice* | | | impedanc | | | Insu | lation res | istance | | earth ince, Zs | RCD operating | | est tons |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circuits sured end to (Neutral) | | | rcuits e at least blumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth fault loop impedance, Zs | time | RCD | AFDD |
| 1/1.1 | | 0 | _ | | (mm²) | (mm²) | (s) | 00000 MOD | 6 | (A) | (kA) | (mA) | (Ω) | n | rn | Γ2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | | |
| 1/L1 | LIGHTING LCM - CORRIDOR | 0 | В | - | | 2.5 | | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.56 | | >200 | >200 | 500 | √ 0 | | | | \square |
| 1/L2 | LIGHTING LCM - ROOM 4.01, 4.02 | 0 | В | | | 2.5 | | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.45 | | >200 | >200 | 500 | | | ' | | \square |
| 1/L3 | LIGHTING LCM - ROOM 4.16 | 0 | В | | | 2.5 | | 60898 MCB | U O | 10 | 10 | | 2.19 | | | | 0.36 | | >200 | >200 | 500 | | | ' | | \square |
| 2/L1 | LIGHTING LCM - CORRIDOR | 0 | В | | | | - | 60898 MCB | 0 | 10 | 10 | | 2.19 | | | | 0.38 | | >200 | >200 | 500 | | | ' | | \vdash |
| 2/L2 | LIGHTING LCM - ROOM 4.18, 4.19 | 0 | В | | | 2.5 | | 60898 MCB | 0 | 10 | 10 | 00 | 2.19 | | | | 0.43 | | >200 | >200 | 500 | | | 00 | | \vdash |
| 2/L3 3/L1 | LIGHTING LCM - WC SPARE | U | В | 2 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | U | 10 | 10 | 30 | 2.19 | | | | 0.57 | | >200 | >200 | 500 | |).47 | 29 | \checkmark | \vdash |
| 3/L1 3/L2 | SPARE LIGHTING LCM - LIFT LOBBY, DISABLED | 0 | B | 0 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | <u> </u> | 10 | 10 | 30 | 2.19 | | | | 0.45 | | >200 | >200 | 500 | | 112 | 20 | | \vdash |
| 3/LZ 3/L3 | LIGHTING LCM - LIFT LOBBY, DISABLED | 0 | B | | | 2.5 2.5 | | 60898 MCB | | 10 10 | 10 | 30 | 2.19 | | | | 0.45 0.44 | | >200 >200 | >200 | 500 | |).42 | 29 | \checkmark | \vdash |
| 3/L3 4/L1 | SPARE | U | P | 1 | 2.5 | 2.5 | 0.4 | | ι. | 10 | 10 | | 2.19 | | | | 0.44 | | >200 | >200 | 500 | ~" | J.48 | | | \vdash |
| 4/L1 4/L2 | SPARE | | | | | | | | - | | | | | | | | | | | | | + | | | | \vdash |
| 4/L2 4/L3 | SPARE | | | | | | | | | | | | | | | | | | | | - | + | | ' | | \vdash |
| 4/L3 5/L1 | LIGHTING - CORRIDOR PIR CONTROL | 0 | B | 7 | 2.5 | 2.5 | 0.4 | 60898 MCB | r | 10 | 10 | | 2.19 | | | | 1.09 | | >200 | >200 | 500 | 1 | 10 | | | \vdash |
| 5/L1 | SPARE | U | | <i>'</i> | 2.0 | 2.0 | 0.4 | 00030 10100 | U | 10 | 10 | | 2.13 | | | | 1.05 | | >200 | >200 | 500 | ~ ' | .13 | | | \vdash |
| 5/L2 | SPARE | | + | | | | | | + | | | | | | | | | | | | + | + | | | | |
| 6/L1 | KWH METER | D | В | 1 | 1.5 | | 0.4 | 60898 MCB | r | 2 | 10 | | 10.93 | | | | | | >200 | >200 | 500 | | | [_] | | |
| 6/L2 | KWH METER | n | B | י 1 | 1.5 | | - | 60898 MCB | C C | 2 2 | 10 | | 10.93 | | | | | | >200 | >200 | 500 | $\overline{\checkmark}$ | | | | \vdash |
| 6/L2 | KWH METER | D | B | י 1 | 1.5 | | | 60898 MCB | C | 2 2 | 10 | | 10.93 | | | | | | >200 | >200 | 500 | Ĭ. | | [_] | | |
| | | F | <u> </u> | | | I | | | <u> </u> | F | | | | | II | | | | | | | I* I | | | | |
| | RIBUTION BOARD (DB) DETAILS | DB | designa | ation: [| DB/W/LT | /4 | | TEST | ED B | Y I | Name (| capita | ls): DAN | INY O'C | ONNOR | | | | Positio | n: APPF | ROVED E | LECTI | RICIAI | N | | |
| | e completed in every case) | Loc | ation of | DB: \ | NEST RI | SER - 4T | H FLOOI | | | | | |).óan | | | | | | Date: <u>C</u> |)1/12/20 | 20 | | | | | |
| TOE | BE COMPLETED ONLY IF THE DB IS | S NO | | | | | | | | | | TION | l | | | | TEST (enter s | | | | each ins | trume | ent use | ed) | | |
| Supp | ly to DB is from: (RISING BUSBAR TAP OFF | : | | | | | |) Nominal | voltag | e: (<u>4(</u> | 00 |)V | No. of | phases: | (3 |) | | unction: | | | C | ontinı | uity: | | | |
| Over | current protection device for the distribution | on cire | cuit Ty | vpe: (B | S EN <u>88</u> | | |) | Ratir | ıg: (<u>1(</u> | 00 |)A | | | | | · | 3101508 ion resis | | |) (<u></u> Ei | arth fa | ault lo | op imped | ance: |) |
| | ciated RCD (if any) Type: (BS EN | | | | | | | | | | | | | | | | (| lectrode | | |) (| CD: | | | |) |
| Chara | acteristics at this DB Confirmation of sup | ply p | olarity: | (Yes |) Pha | ase sequ | ience co | onfirmed (where ap | propri | ate): | | Zs | 0.05 | .)Ω pf | (5.0 |) kA | (<u></u> | | | |) (| | | | |) |
| Publish | ort is based on the model forms shown in Appen ed by Certsure LLP Certsure LLP oper k House. Houghton Hall Park. Houghton Regis. Du | ates th | e NICEI | C & ELE | CSA brar | ıds | © Co | *Where fig opyright Certsure LLP | | | en from | BS 767 | 1, state s | ource: (| | | | | | |) | | | Page | 12 of | 32 |



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This report is not valid if the serial number has been defaced or altered **106195**

IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAK | 1 12 : SCHEDULE OF CIRCUIT DETA | AILS I | AND | IESI | RESU | .15 | Cir | cuits/equipment vul | nerat | ole to d | damag | e whe | n testing | : | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|--------------------|----------------------------------|--------------------------------------|--|------------------|---------------------------|---------------------------|---------------------------|---|--------------|--|--------------|--------------------------------|-----------------------|----------------------------|-----------------|-------------------------------|---------------|--|------------------|--------------|----------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermopi metallic d | lastic cabl conduit | es in (| | astic cables in Illic conduit | י (D) וי | Thermoplastic cables in (E) netallic trunking | Thermo non-me | plastic ca tallic trun | ables in Iking | (F) Ther | moplastic / SV | NA cables | (G)Thermos | etting / SWA | cables (H) | Mineral-insul | ated cables | ; (0) oth | ner - state g | LSX M | NULTICO | RE CABLING | | |
| | Circuit description | | р | rved | | cuit ctor csa | ы | Protective | e devic | e | | RCD | ed * | | Circu | iit impedano | ces (Ω) | | Insul | lation resi | stance | | arth ce, Zs | RCD operating | Tes butto | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | | final circuit asured end t (Neutral) | o end) | All cir (complete one co | e at least | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth ault loop impedance, Zs | time | RCD | |
| | | | | R | (mm ²) | cpc (mm²) | (s) | | | (A) | ∽ (kA) | (mA) | (Ω) | (Line) ľi | rn | (cpc) r2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | NUD | AFUU |
| 1/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.24 | | >200 | >200 | 500 | | | 23 | \checkmark | |
| 1/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | | | 61009 RCD/RCBO | С | 32 | 10 | | 0.68 | | | | 0.45 | | | >200 | 500 | | | 40 | \checkmark | |
| 1/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | | 0.68 | | | | 0.56 | | >200 | >200 | 500 | | | 34 | \checkmark | |
| 2/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.17 | | >200 | >200 | 500 | \checkmark | 0.17 | 40 | \checkmark | |
| 2/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | | 0.68 | | | | 0.27 | | >200 | >200 | 500 | | | 23 | \checkmark | |
| 2/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | | 0.68 | | | | 0.26 | | >200 | >200 | 500 | | | 30 | \checkmark | |
| 3/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.36 | | >200 | >200 | 500 | \checkmark | 0.34 | 24 | \checkmark | |
| 3/L2 | CLEANERS SOCKETS | G | В | 4 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.54 | 0.71 | 0.44 | 0.23 | | >200 | >200 | 500 | | 0.28 | 29 | \checkmark | |
| 3/L3 | HAND DRYERS - WC | G | В | 2 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.44 | 0.42 | 0.46 | 0.27 | | >200 | >200 | 500 | | 0.21 | | | |
| 4/L1 | WATER HEATER, TAP SENSOR, EXTRACT | G | В | 5 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.68 | 0.61 | 0.40 | 0.31 | | >200 | >200 | 500 | $\overline{}$ | 0.15 | | | |
| 4/L2 | ACCESS CONTROL | G | В | 1 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.38 | 0.25 | 0.25 | 0.16 | | >200 | >200 | 500 | \checkmark | 0.22 | | | |
| 4/L3 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | | |
| 5/L1 | SPARE | | | | | | | | | | | | | | | | | | | | | \square | | | | |
| 5/L2 | SPARE | | | | | | | | | | | | | | | | | | | | | \square | | | | |
| 5/L3 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | Π | | | | |
| 6/L1 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | | |
| 6/L2 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | | |
| 6/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | \square | | | | |
| 7/L1 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | | |
| 7/L2 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | Π | | | | |
| | FRIBUTION BOARD (DB) DETAILS be completed in every case) | | - | | DB/W/SI WEST RI | 9/4 SER - 4TH | H FLOO | R TEST | ED E | | | - | lls): <u>DAN</u>) <i>óa</i> n | | ONNOR | | | | Positior Date: <u>0</u> | | OVED EL 20 | LECT | RICIA | N | | |
| TO I | BE COMPLETED ONLY IF THE DB IS | S NO | T CON | NEC | TED D | RECTLY | Y TO 1 | THE ORIGIN OF 1 | THE | INST | ALLA | TION | | | | | TEST | | | | | | | 0 | | |
| Supp | ly to DB is from: (RISING BUSBAR TAP OFF | : | | | | | |) Nominal | volta | ge: (<u>4(</u> | 00 | _)V | No. of | phases | (3 |) | Multi-f | unction: | | gainst e | e <mark>ach inst</mark> Co | trum ontin | | ea) | | |
| Over | current protection device for the distributio | on circ | cuit Ty | /pe: (E | S EN <u>88</u> | | |) | Rati | ng: (<u>1(</u> | 00 |)A | | | | | (<u>100812</u> Insulat | 31015082 ion resis | | |) (Fa | arth f | fault In | op imped | ance. |) |
| Asso | ciated RCD (if any) Type: (BS EN | | | | |) | No. | of poles: () | 17 | Δη (| |) mA | Operati | ing time: | (|) ms | (| | | |) (| | | - ppou | |) |
| Char | acteristics at this DB Confirmation of sup | ply po | plarity: | (Yes |) Ph | ase sequi | ence c | onfirmed (where app | oropr | iate): | \checkmark | Zs | (0.04 | _)Ω | (<u>6.2</u> |)kA | Earth e | lectrode | eresista | ance: |) (| CD: | | | |) |
| This rea | port is based on the model forms shown in Append | dix 6 of | BS 767 | 1 | | | | *Where fig | ure is | not tak | en fron | n BS 767 | 71, state s | ource: (| | | | | | |) | | | | Г | \dashv |
| | ed by Certsure LLP Certsure LLP operative | | | | ECSA brai | nds | ©C | opyright Certsure LLP (| July 2 | 2018) | | | | | | | | | | | | | | Page | 13 of | 32 |



Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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106195

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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

IPR18

| S | CHEDULE OF CIRCUIT DETAILS ANI |) TES | T RE | SULT | S | | | Circuits/equipmen | nt vulne | rable t | to dam | iage w | hen testi | ng: | | | | | | | | | | | | |
|------|---|-------------------------------|-------------------------------|-------------------------|---------------|-------------------------------------|--------------------------------------|---|----------------|----------------------------|---------------------------|---------------------------|---|--------------|-----------------|----------------|--------------------|-------------------------|----------------|-----------------|-----------------------|--------------|---|--------------------------|--------------|------|
| C | ODES For Type of wiring (A) Thermoplastic insulated / (| B) ^{Therm} metall | oplastic c ic conduit | ables in | (C) Therm | noplastic cable netallic conduit | esin (| D) Thermoplastic cables in metallic trunking | (E) The | ermoplasti I-metallic 1 | c cables i trunking | n (F) 1 | l fhermoplastic | / SWA cables | (G) Thern | nosetting / S\ | VA cables (| H) Mineral-i | insulated ca | ibles (0) | other - state | LSX | MULTICO | RE CABLING | | |
| | Circuit description | ing s) | ethod | s served | | cuit ctor csa | action 71) | Protect | tive devic | e | 1 | RCD | nitted led vice* | Bing | Circui | it impedanc | | rcuits | Insu | Ilation resis | stance | | d earth ance, Zs | RCD operating time | Tes butto | |
| i | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | | sured end to | | (complet one co | e at least | Live / Live | Live / Earth | Test voltage DC | Polarity | 🗃 Max. measured earth Tault loop impedance, Zs | une | | |
| | | | æ | Num | Live (mm²) | cpc (mm²) | ≊ (s) | | | (A) | ਪੁੱਡ (kA) | | šā. (Ω) | (Line) rı | (Neutral) rn | (срс) г2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | RCD | AFDD |
| 7/L | 3 SPARE | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 8/L | 1 FAN COIL UNITS | 0 | В | 8 | 4 | 4 C | 0.4 | 60898 MCB | С | 20 | 10 | | 1.09 | | | 0.26 | | | >200 | >200 | 500 | \checkmark | 0.41 | | | |
| 8/L: | 2 FAN COIL UNITS | 0 | В | 4 | 4 | 4 C | 0.4 | 60898 MCB | С | 20 | 10 | | 1.09 | | | 0.12 | | | >200 | >200 | 500 | \checkmark | 0.33 | | | |
| 8/L: | 3 SPARE | | | | | | | | | | | | | | | | | | | - | | | | | | |
| (1 | ISTRIBUTION BOARD (DB) DETAIL o be completed in every case) O BE COMPLETED ONLY IF THE DB | Lo | cation | of DB | | RISER - 4 | | OOR | ESTED OF TH | | Sign | nature: | Dóu | ANNY O | CONNO | R | TES | TINST | Date | : 01/12/2 | | | | | | |
| | upply to DB is from: (RISING BUSBAR TAP C | | | | | DINECI | | | inal vol | | | LA III | | of phase | s: (<u>3</u> |) | (ente | r serial i i-functio | numbeı on: | agains | t each in | | nent us nuity: | ed) | | 1 |
| 0 | vercurrent protection device for the distribu | tion ci | rcuit | Type: | (BS EN | 88 | | |) R | ating: | (100 |)A | | | | | | 12310150 lation re | | ;e: |) (<u>.</u> | Earth | fault lo | op imped | ance: |) |
| | ssociated RCD (if any) Type: (BS EN | | | | | | • | lo. of poles: (|) | <u>⊿</u> n | | | | ating tim | |) ms | | h electro | ode resi | istance: |) (| RCD: | | | |) |
| C | haracteristics at this DB Confirmation of s | upply | polarit | y: (Ye | <u>s</u>) F | hase seq | quenc | | | | | | |)Ω <u>/</u> | |) kA | (| | | |) (| | | | |) |
| | s report is based on the model forms shown in App lished by Certsure LLP Certsure LLP op | | | | ELECSA bi | rands | | Whe* Copyright Certsure© | 0 | | | rom BS | /671, stat | e source: | (| | | | | |) | | | Page 14 | of | 32 |



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DET# | AILS | AND 1 | rest | RESU | LTS | Cir | cuits/equipment vul | nerab | le to d | lamag | e whe | n testing | : | | | | | | | | | | | | |
|---------------------|--|--------------------------|-------------------------------|-------------------------|------------------------|--------------------------------|--------------------------------------|--|--------------------|---------------------------|---------------------------|---------------------------|---|-----------|---------------------------|----------------------|--------------|---------------------------------|----------------|-----------------------------|-----------------------|------------------------|--|--------------------------|--------------|-------------|
| CODES | S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermo metallic | plastic cable c conduit | esin (| C) Thermop non-meta | lastic cables allic conduit | in (D) | Thermoplastic cables in (E) netallic trunking | Thermor non-met | lastic cal allic trunk | bles in king | (F) Ther | moplastic / SV | NA cables | (G)Thermose | tting / SWA c | ables (H) | Mineral-insu | lated cable | s (0) oth | ner - state | LSX M | ULTICO | RE CABLING | | |
| ber | Circuit description | ring as) | ethod | is served | | rcuit ctor csa | ection 571) | Protective | e device | | ' | RCD ⊡ √∃ | mitted Illed svice* | Ring | Circui final circuit: | t impedanc s only | | ircuits | Insu | lation resi | stance | | ed earth dance, Zs | RCD operating time | | est tons |
| Circuit number | | Type of wii (see Code | Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | (meas | sured end to (Neutral) | (cpc) | | te at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | 🗑 Max. measured earth Sfault loop impedance, Zs | | RCD | AFDD |
| 1/1 1 | | 0 | D | ~ | (mm²) | (mm²) | (s) | | 6 | (A) | (kA) | (mA) | (Ω) | ň | rn | ľ2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | | (ms) | | |
| 1/L1 | LIGHTING LCM - CORRIDOR | 0 | B | / | 2.5 2.5 | 2.5 | | 60898 MCB | | 10 | 10 | | 2.19 2.19 | | | | 0.77 | | >200 | >200 | 500 | | | | \vdash | \square |
| 1/L2 1/L3 | LIGHTING LCM - ROOM 5.01, 5.02 LIGHTING LCM - ROOM 5.16 | 0 | B | 2 | | 2.5 2.5 | 0.4 0.4 | 60898 MCB 60898 MCB | C C | 10 10 | 10 10 | | 2.19 | | | | 0.61 0.73 | | >200 >200 | >200 >200 | 500 500 | |).32 | | \vdash | |
| 1/L3 2/L1 | LIGHTING LCM - CORRIDOR | 0 | B | ა ნ | | 2.5 2.5 | 0.4 | 60898 MCB | с С | 10 | 10 | <u> </u> | 2.19 | | | | 0.73 0.52 | | >200 | | 500 500 | | | ├─── ┤ | \vdash | \vdash |
| 2/L1 2/L2 | LIGHTING LCM - ROOM 5.18. 5.19 | 0 | B | ე ი | | 2.5 2.5 | 0.4 | 60898 MCB | с С | 10 | 10 | | 2.19 | | | | 0.52 0.78 | | >200 | >200 >200 | 500 | ✓0 ✓0 | | | ⊢ | \vdash |
| 2/L2 2/L3 | LIGHTING LCM - WC | 0 | B | ა ი | | 2.5 | 0.4 | 61009 RCD/RCB0 | r r | 10 | | 30 | 2.19 | | | | 0.78 | | >200 | >200 | 500 | | | 19 | ~ | \vdash |
| 2/L3 3/L1 | SPARE | <u>۲</u> | | ۲ | د .J | £.J | 0.4 | | <u>د</u> | 10 | 10 | 00 | 2.13 | | | | 0.00 | | -200 | -200 | 500 | | | 1.0 | ~ | \vdash |
| 3/L1 | LIGHTING LCM - LIFT LOBBY, DISABLED | 0 | В | 2 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCB0 | C | 10 | 10 | 30 | 2.19 | | | | 0.58 | | >200 | >200 | 500 | | 1 49 | | <u> </u> | \vdash |
| 3/L3 | | 0 | B | - 1 | 2.5 | 2.5 | 0.4 | 60898 MCB | C. | 10 | 10 | | 2.19 | | | | 0.63 | | >200 | >200 | 500 | | | 19 | \checkmark | |
| 4/L1 | SPARE | | - | | | | 0.1 | | | | | | | | | | 0.00 | | - 200 | 200 | | | | | ⊢ ∼ ⊣ | \vdash |
| 4/L2 | SPARE | | | | | | - | | | | | | | | | | | | | - | | ▲ | | | | \vdash |
| 4/L3 | SPARE | - | | | | | - | | - | | | | | | | | | | | | | + | | | | \vdash |
| 5/L1 | LIGHTING - CORRIDOR PIR CONTROL | 0 | В | 7 | 2.5 | 2.5 | 0.4 | 60898 MCB | С | 10 | 10 | | 2.19 | | | | 0.73 | | >200 | >200 | 500 | ~0 |).86 | | | |
| 5/L2 | SPARE | - | | | | | | | - | - | - | <u> </u> | | | | | | | | | | | | | | |
| 5/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/L1 | KHW METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | | | | | |
| 6/L2 | KWH METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | | | | | |
| 6/L3 | KWH METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | | | | | |
| | FRIBUTION BOARD (DB) DETAILS be completed in every case) | | 0 | | DB/W/L1 WEST RI | | TH FLOO | R TEST | ED B | | | | als): <u>DAN</u>) <i>ócu</i> n | | ONNOR | | | | | n: <u>APPR</u>)1/12/202 | | LECTI | RICIAI | N | | |
| | BE COMPLETED ONLY IF THE DB IS Iy to DB is from: (RISING BUSBAR TAP OFI | | | | | | | THE ORIGIN OF 1 | | | | NTION | | phases: | (3 |) | (enter s | INSTR serial nu function: | imber a | | | trume ontinu | | ed) | | |
| ··· | current protection device for the distribution | | | | | | | | | | | , •) A | | | ۱ <u></u> | / | | 3101508 | | |) (| | | | |) |
| | ciated RCD (if any) Type: (BS EN | | | | | | | | | | | | Oporati | na timo: | 1 |)ms | Insulat (| tion resis | stance: | | Ea) (| arth fa | ault lo | op impeda | ance: |) |
| | acteristics at this DB Confirmation of su | | | | | | | | | | | | | | | | Earth e | electrode | e resist | ance: | RC) (| CD: | | | |) |
| This rep Publish | ort is based on the model forms shown in Appen ed by Certsure LLP Certsure LLP oper k House. Houghton Hall Park. Houghton Regis. D | dix 6 o ates tl | of BS 7671 he NICEI | I C & Eli | | | | *Where fig opyright Certsure LLP (| ure is | not tak | | | | | | L | | | | |) | | | Page | e 15 of | 32 |



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

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

| PAR | IT 12 : SCHEDULE OF CIRCUIT DETA | ILS I | AND | IESI | RESU | .15 | Cir | cuits/equipment vul | nerat | le to d | damag | e whe | n testing | : | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|--------------------|-----------------------------------|--------------------------------------|--|------------------|-----------------------------|---------------------------|---------------------------|---|--------------|---|--------------|--------------------------------|---------------|----------------|-----------------|-----------------------|---------------|--|------------------|--------------|----|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermopi metallic d | lastic cabl conduit | es in (| | lastic cables in Illic conduit | | Thermoplastic cables in (E) metallic trunking | Thermo non-me | plastic cal tallic trunk | ibles in iking | (F) Ther | moplastic / SV | VA cables | (G)Thermos | etting / SWA | cables (H) | Vineral-insul | lated cables | ; (0) otł | ner - state | LSX N | NULTICO | RE CABLING | | |
| _ | Circuit description | | po | erved | | cuit ctor csa | ion | Protective | devic | э | | RCD | ted 1 e* | | Circu | it impedan | ces (Ω) | | Insul | lation resi | stance | | earth ce, Zs | RCD operating | Tes | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | CDC | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circuit sured end t (Neutral) | | All cir (complete one co | e at least | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth ault loop impedance, Zs | time | RCD | |
| | | | | Ϊ | (mm ²) | (mm²) | (s) | | | (A) | (kA) | (mA) | (Ω) | (Line) ľi | rn | (CPC) r2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | nob | |
| 1/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.68 | | | | 0.40 | | >200 | >200 | 500 | \checkmark | 0.19 | 19 | \checkmark | |
| 1/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.68 | | | | 0.56 | | >200 | >200 | 500 | | | 19 | \checkmark | |
| 1/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | | | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.68 | | | | 0.37 | | >200 | >200 | 500 | | | 13 | \checkmark | |
| 2/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.28 | | >200 | >200 | 500 | \checkmark | 0.14 | 20 | \checkmark | |
| 2/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.28 | | >200 | >200 | 500 | | - | 19 | \checkmark | |
| 2/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 1.68 | | >200 | >200 | 500 | \checkmark | 0.38 | 19 | \checkmark | |
| 3/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.32 | | >200 | >200 | 500 | $\overline{}$ | 0.15 | 19 | \checkmark | |
| 3/L2 | CLEANERS SOCKET | G | В | 4 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.57 | 0.51 | 0.43 | 0.36 | | >200 | >200 | 500 | $\overline{}$ | 0.17 | 19 | \checkmark | |
| 3/L3 | HAND DRYERS - WC | G | В | 2 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.45 | 0.47 | 0.45 | 0.52 | | >200 | >200 | 500 | $\overline{}$ | 0.23 | | | |
| 4/L1 | WATER HEATER, TAP SENSOR, EXTRACT | G | В | 5 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.52 | 1.07 | 0.83 | 0.31 | | >200 | >200 | 500 | $\overline{}$ | 0.15 | | | |
| 4/L2 | ACCESS CONTROL | G | В | 1 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.23 | 0.28 | 0.28 | LIM | | >200 | >200 | 500 | | LIM | | | |
| 4/L3 | SPARE | | | | | | | | | | | | | | | | | | | 1 | 1 | \square | | | | |
| 5/L1 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | \checkmark | |
| 5/L2 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | | |
| 5/L3 | SPARE | | | | | | | | | <u> </u> | | | | | | | | | | | | + | | | | |
| 6/L1 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | \square | | | | |
| 6/L2 | SPARE | | | | | | | | | <u>†</u> | | | | | | | | | | | 1 | \square | | | | |
| 6/L3 | SPARE | | | | | | | | | <u> </u> | | | | | | | | | | | | \square | | | | |
| 7/L1 | SPARE | | | | | | | | | <u> </u> | | | | | | | | | | | <u> </u> | + | | | | |
| 7L2 | SPARE | | | | | | | | | <u> </u> | | | | | | | | | | | <u> </u> | + | | | | |
| | TRIBUTION BOARD (DB) DETAILS be completed in every case) | | 0 | | DB/W/SI WEST RI | 2/5 SER - 5TH | H FLOO | R TEST | ED B | | | · · | lls): <u>DAN</u>)_óan | | ONNOR | | | | Date: <u>0</u> |)1/12/202 | IOVED EL 20 | | RICIA | <u>N</u> | | |
| T 0 | BE COMPLETED ONLY IF THE DB IS | NO | r con | INEC | TED D | RECTLY | Y TO 1 | THE ORIGIN OF 1 | THE | INST | ALLA | TION | | | | | TEST | | | | | | | | | |
| | | | | | | | | | | | | | | phases: | 12 | | | | | gainst e | each inst | | | ed) | | |
| Subt | ly to DB is from: (<u>RISING BUSBAR TAP OFF</u> | | | | | | |) Nominal | voita | je: (40 | 00 |) V | INO. 01 | phases: | (3 | / | | unction: | | |) (C | ontin | nuity: | | | , |
| | current protection device for the distributio | | - | | | | | | | ng: (<u>10</u> | |)A | | | | | (<u>100812</u> Insulat | ion resis | | |) (Ea | arth f | fault lo | op impeda | ance: |) |
| | ciated RCD (if any) Type: (BS EN | | | | | | | | | | |) mA | Operati | ng time: | (|) ms | (Earth e | lectrode | e resista | ance: |) (R(| CD: | | | |) |
| Char | acteristics at this DB Confirmation of sup | ply po | olarity: | (Yes |) Ph | ase sequ | ence c | onfirmed (where app | oropr | iate): | \checkmark | Zs | (0.04 |)Ω ⊉f | (<u>6.0</u> |)kA | (| | | |) (| | | | |) |
| This re | port is based on the model forms shown in Append | lix 6 of | BS 767 | 1 | | | | *Where fig | ure is | not tak | en fron | n BS 76 | 71, state s | ource: (| | | | | | |) | | | |] | = |
| | ed by Certsure LLP Certsure LLP operation | | | | ECSA brai | nds | ©C | opyright Certsure LLP (| July 2 | .018) | | | | | | | | | | | | | | Page | 16 of | 32 |

Original(to the person ordering the work)



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106195

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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

IPR18

| | CODE | S For Type of wiring | (A) Thermoplastic insulated / sheathed cables | (B) Thern meta | noplastic c Ilic conduit | ables in | non-m | noplastic cab netallic condu | les in (Jit |) Thermoplastic cables i metallic trunking | ^{.in} (E) Th | hermoplast on-metallic | ic cables i trunking | , | l fhermoplastic | / SWA cables | s (G) Thermosetting / | SWA cables | (H) Mineral-i | insulated cal | bles (O) | other - state | [‡] LSX | MULTICO | RE CABLING | | |
|---|----------------------|---|--|-------------------------------|-------------------------------|-------------------------|-----------|---------------------------------|--------------------------------------|---|-----------------------|----------------------------------|-----------------------------------|---------------------------|---|--------------|--|---|---|--------------------------------------|----------------------|-------------------|------------------|---|--------------------------|--------------|-------------|
| | | Circ | uit description | | g | erved | | cuit ctor csa | u | Prote | ective devi | ice | | RCD | bed *e | | Circuit impeda | nces (Ω) | | Insul | llation resis | stance | | arth ce, Zs | RCD operating | Tes butto | |
| | Circuit number | | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circuits only sured end to end) | (comple | trcuits ete at least column) | Live / Live | Live / Earth | Test voltage | Polarity | Barth Max. measured earth E fault loop impedance, Zs | time | Julio | 115 |
| | 0 | | | ⊢ - | Refe | Jumbe | Live | срс | ti ti | BS | F | ů ůž | Short | | Max Zs prot | (Line) | (Neutral) (cpc) | | | LIVE | Larui | DC | | Max fault lo | | RCD | AFDD |
| - | L3 | SPARE | | | | 2 | (mm²) | (mm²) | (s) | | | (A) | (kA) | | (Ω) | ľ1 | rn r2 | (R1+R2) | R₂ | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | | |
| | | FAN COIL UNITS | | 0 | В | 8 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | 0.36 | ┼── | >200 | >200 | 500 | | 0.50 | | | |
| | | FAN COIL UNITS | | 0 | B | 4 | 4 | | | 60898 MCB | C | 20 | 10 | | 1.09 | | | 0.31 | | | | 500 | | 0.39 | | | |
| 8 | L3 | SPARE | | | | | | | | | | | | | | | | | <u> </u> | <u> </u> | | | <u> </u> | | | | |
| | | | | | R desir | inatio | n: DB/W/ | SP/5 | | | TESTE | n rv | Nan | ne (ca | nitals). D | ΔΝΙΝΥ Π | 'CONNOR | | | Posit | ion [,] ΔΡί | PROVED | ELET | TRICIA | Ν | | |
| | | | OARD (DB) DETAIL in every case) | .0 | - | - | : WEST | | 5TH FL | | | | | nature: | - | | CONNON | | | | : <u>01/12/2</u> | | | | | | ····· |
| | Supp Over Asso | ly to DB is from: current protectio ciated RCD (if an | D ONLY IF THE DB (RISING BUSBAR TAP I n device for the distribution y) Type: (BS EN DB Confirmation of | OFF ution c | ircuit | Туре: | (BS EN | 88 |) N |) No | ominal vo) F) | oltage: Rating: <u>A</u> n | (<u>400</u> (<u>100</u> (| ∨() ∆() n() | No. | | ie: ()n | (entropy (100) (10 | ST INST er serial lti-functio 81231015 ulation re th electro | number on: i08263 esistance | r against :e: |) () () (| Conti | inuity: n fault Ic | ed) oop impeda | ance: |))) |
| | | oort is based on the ed by Certsure LLP | model forms shown in App Certsure LLP o | | | | ELECSA bi | rands | (| *Wh Copyright Certsur® | 0 | | | from BS | 7671, stat | e source: | (| | | | |) | | | Page 17 | of | 32 |

Circuits/equipment vulnerable to damage when testing:



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ELECTRICAL INSTALLATION CONDITION REPORT

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

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND | TEST | RESUL | .TS | Cir | cuits/equipment vul | nerab | le to d | damag | e whe | n testing | : | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|-------------------------|---------------------------------|--------------------------------------|-------------------------------------|-------------------|---------------------------|---------------------------|---------------------------|---|-----------|---|----------------|-------------------------------|-----------------------|----------------|----------------------------|--------------|---|------------------|--------------|--------------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cabl conduit | es in (| C) Thermopl non-meta | astic cables i Illic conduit | n (D) T | hermoplastic cables in (E) | Thermo non-met | plastic ca tallic trun | ibles in iking | (F) Ther | moplastic / SV | NA cables | (G)Thermos | etting / SWA o | cables (H) | Mineral-insul | lated cables | s (0) or | ther - state | LSX MULTIC | ORE CABLING | 3 | |
| 70 | Circuit description | 5 | poq | served | | cuit ctor csa |)) tion | Protectiv | e device | 9 | | RCD | itted d ce* | | | iit impedano | | | Insu | ulation res | istance | earth nce, Zs | RCD operating | | est ttons |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circui isured end t (Neutral) | to end) | All cir (complet one co | e at least | Live / Live | Live / Earth | | Polarity Max. measured earth G fault loop impedance, Zs | time | RCD | AFDD |
| | | _ | _ | z | (mm²) | (mm²) | (s) | | | (A) | (kA) | (mA) | (Ω) | rı . | rn | Γ2 | (R1+R2) | R2 | (MΩ) | (MΩ) | | | | | |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | - | 61009 RCD/RCB0 | С | 32 | | 30 | 0.68 | | | | 0.63 | | >200 | >200 | 500 | ✓ 0.43 | 20 | \checkmark | |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | | 61009 RCD/RCB0 | C | 32 | | 30 | 0.68 | | | | 0.47 | | >200 | >200 | 500 | ✓ 0.52 | 19 | \checkmark | \square |
| | UNDERFLOOR POWER TRACK | G | В | 1 | | | | 61009 RCD/RCB0 | C | 32 | | 30 | 0.68 | | | | 0.40 | | >200 | >200 | 500 | ✓ 0.38 | 14 | \checkmark | \square |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | | | 61009 RCD/RCB0 | C | 32 | | 30 | 0.68 | | | | 0.33 | | >200 | >200 | 500 | ✓ 0.14 | 19 | \checkmark | \square |
| - | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | | | 61009 RCD/RCB0 | C | 32 | | 30 | 0.68 | | | | 0.31 | | >200 | >200 | 500 | ✓ 0.48 | 40 | \checkmark | \square |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | | 61009 RCD/RCB0 | С | 32 | | 30 | 0.68 | | | | 0.44 | | >200 | >200 | 500 | ✓ 0.39 | 21 | \checkmark | \square |
| | UNDERFLOOR POWER TRACK | G | В | 5 | 4 | 4 | - | 61009 RCD/RCBO | С | 32 | | 30 | | 0.35 | 0.31 | | 0.36 | | >200 | >200 | 500 | √ 0.18 | 30 | \checkmark | \square |
| | CLEANERS SOCKET | G | В | 3 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.53 | 0.66 | 0.87 | 0.36 | | >200 | >200 | 500 | √ 0.24 | 19 | \checkmark | |
| | SPARE | | | | | | | | _ | | | | | | | | | | | | | | | | |
| | VIVREAU, WATER HEATERS - TEA POINT | G | В | 2 | 4 | 4 | | 60898 MCB | С | 32 | | | | | 0.66 | 0.49 | 0.40 | | >200 | >200 | 500 | √ 0.63 | | | |
| | APPLIANCES - TEA POINT | G | В | 6 | 4 | 4 | - | 60898 MCB | С | 32 | | N/A | · · | 0.47 | 0.60 | | 0.27 | | >200 | >200 | 500 | √ 0.42 | | | |
| | APPLIANCES - TEA POINT | G | В | 6 | 4 | 4 | | 60898 MCB | С | 32 | 10 | | | 0.56 | 0.48 | 0.42 | 0.36 | | >200 | >200 | 500 | √ 0.26 | | | |
| - | GENERAL POWER - TEA POINT | G | В | | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.56 | 0.53 | 0.86 | 0.38 | | >200 | >200 | 500 | √ 0.39 | 29 | \checkmark | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/L2 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | RIBUTION BOARD (DB) DETAILS e completed in every case) | | - | | DB/E/SP/ EAST RIS | | 1 FLOOF | | ED B | | | _ | als): <u>DAN</u>) <i>óc</i> un | | ONNOR | | | | | n: <u>APPF</u>)1/12/20 | | LECTRICI | 4N | | |
| TO B | E COMPLETED ONLY IF THE DB IS | S NO | T COM | NEC | TED DI | RECTL | Y TO 1 | THE ORIGIN OF | THE | INST | ALLA | TION | | | | | | INSTRI erial nu | | | each ins | trument u | sed) | | |
| Suppl | y to DB is from: (RISING BUSBAR TAP OFI | = | | | | | |) Nominal | volta | ge: (<u>40</u> | 00 | .)V | No. of | phases: | (<u>3</u> |) | Multi-f | unction: | | gunier | | ontinuity: | 5047 | | |
| Overc | urrent protection device for the distribution | on cire | cuit Ty | /pe: (E | 8S EN <u>88</u> | | |) | Ratir | ng: (<u>1(</u> | 00 |)A | | | | | · | 31015082 ion resis | | |) (E; | arth fault l | oop impec | Jance: |) |
| Assoc | ciated RCD (if any) Type: (BS EN | | | | |) | No. (| of poles: () | | (<u></u> | |)mA | Operati | ing time: | (|) ms | (| lectrode | rociet | anco: |) (| CD: | | |) |
| Chara | cteristics at this DB Confirmation of su | oply p | olarity: | (Yes |) Pha | ase sequ | ience co | onfirmed (where ap | propri | ate): | \checkmark | Zs | (<u>0.12</u> | _)Ω pf | (<u>1.9</u> |)kA | (| | 5 1031310 | |) (| | | |) |
| Publishe | ort is based on the model forms shown in Appen ed by Certsure LLP Certsure LLP oper | ates th | e NICEI | C & EL | ECSA brar | nds | ©C | *Where fig opyright Certsure LLP | | | en from | BS 76 | 71, state s | ource: (| | | | | | |) | | Pag | e 18 of | 32 |

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CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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| SCH | IEDULE OF CIRCUIT DETAILS AND | TES | T RE | SULT | S | | | Circuits/equipme | ent vulne | rable t | to dam | nage w | hen testi | ng: | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|---------------|----------------------------------|--------------------------------------|---|--------------|--------------------------|---|--------------------------------|---|--------------|---|----------------|--------------------|-----------------------|------------------------|-------------------------|----------------------|--------------|---|--------------------------|--------------|------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (E) sheathed cables | 3) Therm metall | noplastic c lic conduit | cables in t | (C) Thern | noplastic cabl netallic condu | les in uit | (D) Thermoplastic cables i metallic trunking | in (E) The | ermoplasti 1-metallic | ic cables i trunking | ⁱⁿ (F) ⁻ | l hermoplastic | / SWA cables | (G) Therm | nosetting / S\ | VA cables (| H) Mineral-i | insulated ca | ibles (O) | other - state | LSX | MULTICO | RE CABLING | | |
| Circuit number | Circuit description | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | rcuit ctor csa | Max. disconnection time (BS 7671) | Prote | ective devic | | , uit | Operating and current, IAn D3 | Maximum permitted Zs for installed protective device* | | Circuit final circuits sured end to | | All ci (complet | e at least | Insu | llation resis | stance Test | Polarity | Bax. measured earth fault loop impedance, Zs | RCD operating time | Tes butto | |
| Circuit | | Type c (see | Referenc (BS | Number of | Live (mm²) | cpc (mm²) | () Max. disc time (E | BS (EN) | Type | (Y) Rating | Short-circuit Capacity | | Maximun Θ Zs for protectiv | (Line) rı | (Neutral) rn | (cpc) r2 | one co (R1+R2) | R ₂ | Live / Live (MΩ) | Live / Earth (MΩ) | voltage DC (V) | Pol |) Max. mea ති fault loop ii | (ms) | RCD | AFDD |
| 7/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/L1 | FAN COIL UNITS | 0 | - | 5 | 4 | | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | | 0.41 | | >200 | >200 | 500 | | 0.37 | | | |
| 8/L2 | FAN COIL UNITS | 0 | В | 5 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | | 0.49 | | >200 | >200 | 500 | \checkmark | 0.41 | | | |
| 8/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| (to | TRIBUTION BOARD (DB) DETAILS be completed in every case) BE COMPLETED ONLY IF THE DB | Lo | cation | of DB | | RISER - 5 | | OOR | TESTEL | | Sigr | nature: | Dóa | ANNY O | CONNO | R | TES | TINST | Date | : 01/12/2 | | | | | | |
| | bly to DB is from: (RISING BUSBAR TAP O | | | | UIED | DINEC | | | ominal vo | | |)V | | of phase | s: (<u>3</u> |) | (ente | r serial i-functio | numbei | r agains | t each in | | ment us inuity: | ed) | | |
| Over | current protection device for the distribut | ion ci | ircuit | Туре: | (BS EN | 88 | | |) R | ating: | (100 |)A | | | | | | 1231015 lation re | | :e: |) (| | | op imped | ance: |) |
| | ciated RCD (if any) Type: (BS EN | | | | | | | No. of poles: (|) | <u>/</u> ∄_n | | | | ating tim | |) ms | (| | | istance: |) (| RCD: | | | |) |
| | racteristics at this DB Confirmation of su | | | | <u>s</u>) F | Phase se | quenc | | | | | | | Ω()Ω | ,, |) kA | | | | |) (| | | | |) |
| | port is based on the model forms shown in Appe ned by Certsure LLP Certsure LLP ope | | | | ELECSA b | rands | | *Wr © Copyright Certsu | 0 | | | rom BS | /o/1, stat | e source: | (| | | | | |) | | | Page 19 | of | 32 |



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ELECTRICAL INSTALLATION CONDITION REPORT

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

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | ILS / | AND ' | TEST | RESUL | .TS | Cir | cuits/equipment vu | Inera | ble to c | damag | e whei | n testing: | | | | | | | | | | | | | |
|---|--|-------------------------------|-----------------------------|-------------------|-------------------------|----------------------------------|-----------------------------------|--|------------------|---------------------------|---------------------------|---------------------------|--|----------------------|--------------|---------------|--------------|--------------|----------------|-----------------|-----------------------|----------|--------------------------------------|------------------|--------------|-------------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermopl metallic c | lastic cabl conduit | es in (| C) Thermopl non-meta | astic cables in Illic conduit | י (D) ז | Thermoplastic cables in (E) netallic trunking | Thermo non-me | plastic ca tallic trun | bles in king | (F) Therr | noplastic / SW | /A cables (| G)Thermoset | tting / SWA o | cables (H) | Mineral-insu | lated cable | es (O) ot | her - state | LSX MI | ULTICO | RE CABLING | | |
| | Circuit description | | po | erved | | cuit ctor csa | ion | Protectiv | e devic | e | | RCD | ted 1 e* | | Circuit | t impedanc | ces (Ω) | | Insi | ulation resi | stance | | earth ce, Zs | RCD operating | | est tons |
| Circuit numbe | | Type of wiring (see Codes) | Reference Meth (BS 7671) | umber of points s | Live | CDC | Max. disconnect time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permit Zs for installec protective devic | (meas | sured end to | end) | (complet | e at least | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured e ault loop impedan | time | | |
| | | | | ź | (mm²) | (mm²) | (s) | | | (A) | (kA) | (mA) | (Ω) | ľ1 | rn | (0p0) ľ2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | | |
| | | - | | 1 | | | - | | С | - | - | 30 | - | | | | - | | | | | | | 29 | \checkmark | |
| | | ~ | | 1 | | | | | С | | | | | | | | | | | | | | | | | <u> </u> |
| | | - | | 3 | | | | | С | _ | - | | | | | | | | | | | | | | | |
| | | - | | 1 | | | | | С | | | 30 | | | | | - | | | | | | | 29 | \checkmark | L |
| | | ~ | - | 3 | | | - | | С | - | | | | | | | | | | | | | | | | L |
| | | - | | 3 | | | - | | С | | - | | - | | | | | | | | | | | | | |
| | | 0 | В | 4 | 2.5 | 2.5 | 0.4 | 60898 MCB | С | 10 | 10 | | 2.19 | | | | 0.51 | | >200 | >200 | 500 | ✓0 |).27 | | | L |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 1 | - | | - | | С | 2 | - | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | С | 2 | 10 | | | | | | | | | | | | | | | |
| 6/L3 | KWH METER | D | В | 1 | 1.0 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | | | | | | | |
| | | | - | • | | | I FLOOF | | ED E | | | | | | ONNOR | | | | | | | LECTI | RICIA | N | | |
| TO B | E COMPLETED ONLY IF THE DB IS | NO1 | r con | INEC | TED DI | RECTLY | Y TO 1 | THE ORIGIN OF | THE | INST | ALLA | TION | | | | | | | | | ach ins | trumo | ant us | ed) | | |
| Suppl | y to DB is from: (RISING BUSBAR TAP OFF | : | | | | | |) Nominal | volta | ge: (4(| 00 | .)V | No. of | phases: | (3 |) | Multi-f | unction: | | iyamət t | | | | 54) | | , |
| Image: problem bit in the intervent of the interven | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | (Earth e | electrode | e resist | ance: |) (<u>.</u> R | CD: | | | |) |
| Chara | cteristics at this DB Confirmation of sup | ply po | larity: | (Yes |) Pha | ase sequ | ence c | | | | | | | | (5.0 |) kA | (| | | |) (| | | | |) |
| Publishe | ed by Certsure LLP Certsure LLP opera | ates the | e NICEI | C & ELE | CSA brar | nds | ©C | 5 | | | en from | BS 767 | '1, state so | ource: (| | | | | | |) | | | Page | 20 of | 32 |

Original(to the person ordering the work)



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | ILS A | AND - | TEST | RESU | LTS | Cire | cuits/equipment vuli | nerat | ole to c | lamag | e whei | n testing | : | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|--------------------|-----------------------------------|--------------------------------------|----------------------|-------|----------------------------|---------------------------|---------------------------|---|--------------|--------------------------------|----------------|-------------------------------|----------------------|----------------|-----------------|-----------------------|------------------------|--|------------------|--------------|------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (B) Thermoplastic insulated / (B) Thermoplastic insulated / | Fhermopl netallic c | astic cabl onduit | es in (| | lastic cables ir allic conduit | | | | plastic ca tallic trunl | | (F) Therr | noplastic / SV | VA cables | (G)Thermose | etting / SWA o | cables (H) | Mineral-insul | ated cables | (0) ot | her - state | LSX M | IULTICOF | RE CABLING | | |
| | Circuit description | | ро | erved | | rcuit ctor csa | ion | Protective | devic | e | | RCD | ted e* | | Circui | t impedanc | ces (Ω) | | Insul | lation resi | stance | | arth ce, Zs | RCD operating | Te | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | (mea | final circuits sured end to | o end) | All cir (complet one co | e at least | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth ault loop impedance, Zs | time . | | |
| | | | Ľ | Nur | Live (mm²) | cpc (mm²) | ∠ (s) | | | (A) | ぶ (kA) | (mA) | 2 <u>-</u> (Ω) | (Line) rı | (Neutral) rn | (cpc) r2 | (R1+R2) | R₂ | (MΩ) | (MΩ) | (V) | | Ω) | (ms) | RCD | AFDD |
| 1/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.38 | | >200 | >200 | 500 | \checkmark | 0.20 | 29 | \checkmark | |
| 1/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.30 | | >200 | >200 | 500 | \checkmark | 0.16 | 20 | \checkmark | |
| 1/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.62 | | >200 | >200 | 500 | | | 21 | \checkmark | |
| 2/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.76 | | >200 | >200 | 500 | \checkmark | 0.54 | 21 | \checkmark | |
| 2/L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.33 | | >200 | >200 | 500 | | | 20 | \checkmark | |
| 2/L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.36 | | >200 | >200 | 500 | ~ | 0.29 | 29 | \checkmark | |
| 3/L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.29 | | >200 | >200 | 500 | \checkmark | 0.34 | 34 | \checkmark | |
| 3/L2 | CLEANERS SOCKET | G | В | 4 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.48 | 0.48 | 0.82 | 0.36 | | >200 | >200 | 500 | \checkmark | 0.20 | 21 | \checkmark | |
| 3/L3 | HAND DRYERS - WC | • | В | 2 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.41 | 0.40 | 0.41 | 0.49 | | >200 | >200 | 500 | \checkmark | 0.20 | | | |
| 4/L1 | WATER HEATER - TAP SENSOR, EXTRACT | G | В | 5 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.46 | 0.46 | 0.40 | 0.29 | | >200 | >200 | 500 | \checkmark | 0.26 | | | |
| 4/L2 | ACCESS CONTROL - NOT FOUND | G | В | 1 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | | | | LIM | | >200 | >200 | 500 | | LIM | | | |
| 4/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/L1 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | \checkmark | |
| 5/L2 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/L1 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/L2 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/L1 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/L2 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TRIBUTION BOARD (DB) DETAILS be completed in every case) | | - | | BD/W/SI WEST RI | P/6 SER - 6TI | H FLOOI | | ED B | | | 0 | ls): <u>DAN</u>)_o'an | | ONNOR | | | | Date: <u>0</u> | 1/12/20 | OVED E 20 | LECT | RICIAI | N | | |
| TO | BE COMPLETED ONLY IF THE DB IS | NOT | CON | INEC | TED D | IRECTLY | Y ТО Т | HE ORIGIN OF 1 | ΉE | INST | ALLA | TION | | | | | | INSTR | | | | | | | | |
| Supr | ly to DB is from: (RISING BUSBAR TAP OFF | | | | | | |) Nominal | /olta | ge: (40 | 0 | .)V | No. of | phases: | (3 |) | | erial nu unction: | | gainst e | | trume ontini | | ed) | | |
| Over | current protection device for the distribution | n circ | | | | | | | | ng: (10 | |)A | | | | | · | 31015082 | | |) (| | | | |) |
| | ciated RCD (if any) Type: (BS EN | | | | | | | | | | | \m^ | Anorati | na timo: | (|)ms | Insulat (| ion resis | stance: | | Ea) (| arth fa | ault lo | op impeda | ance: |) |
| | | | | | | | | | | | | | | - | | | Earth e | lectrode | e resista | ance: | , ` R(| CD: | | | | ' |
| Char | acteristics at this DB Confirmation of sup | ply po | larity: | (Yes |) Ph | ase sequ | ence co | onfirmed (where app | ropr | iate): | \checkmark | Zs (| 0.04 | _)Ω | (<u>6.1</u> |) kA | (| | | |) (| | | | |) |
| | | | | | | | | *Where fig | | | | | | <i>P1</i> | | | | | | | | | | | | |



Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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106195

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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

IPR18

| SCH | EDULE OF CIRCUIT DETAILS AND | TES | T RES | SULI | rs | | | Circuits/equipme | ent vulne | rable t | to dam | nage w | hen testi | ng: | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|----------------|-----------------------------------|-------------------------------------|--|----------------------------|--------------------------|---|--------------------------------|---|-----------------|---|----------------|------------------------------|------------------------------------|------------------------|-------------------------|------------------------------|--------------|--|--------------------------|-------------|---------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (E) sheathed cables | 3) Therm metall | noplastic c lic conduit | ables in | (C) Therm | moplastic cable metallic condu | es in (| D) Thermoplastic cables metallic trunking | in (E) The | ermoplasti n-metallic | c cables i trunking | ⁱⁿ (F) [·] | Thermoplastic | / SWA cables | (G) Therm | nosetting / SN | VA cables (| H) Mineral-i | insulated ca | ables (O |) other - state | LSX | MULTICO | IRE CABLING | | |
| Circuit number | Circuit description | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | rcuit ctor csa | ax. disconnection time (BS 7671) | | ective devic | e | . <u>.</u> | Operating Current, IAn 23 | Maximum permitted Zs for installed protective device* | Ring f | Circuit final circuits sured end to | | es (Ω) All ci (complet | | Insu | ulation resis | | Polarity | sured earth 1pedance, Zs | RCD operating time | Te butte | |
| Circuit | | Type of (see C | Referenc (BS | Number of p | Live (mm²) | cpc (mm²) | (c) Max. disc (c) time (B | BS (EN) | Type | (V) Rating | Short-circuit Capacity | | | (Line) r1 | (Neutral) rn | (cpc) r2 | one co (R1+R2) | olumn) R2 | Live / Live (MΩ) | Live / Earth (MΩ) | Test voltage DC (V) | Pol | 😠 Max. measured earth ©fault loop impedance, Zs | (ms) | RCD | AFDD |
| 7/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/L1 | FAN COIL UNITS | 0 | В | 8 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | | 0.49 | | >200 | >200 | 500 | | 0.58 | | | |
| 8/L2 | FAN COIL UNITS | 0 | В | 4 | 4 | 4 | 0.4 | 60898 MCB | С | 20 | 10 | | 1.09 | | | | 0.53 | | >200 | >200 | 500 | \checkmark | 0.61 | | | |
| 8/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| (to l | TRIBUTION BOARD (DB) DETAILS be completed in every case) BE COMPLETED ONLY IF THE DB | Lo | cation | of DE | | RISER - 6 | | OOR | TESTEC | | Sigr | nature: | Dóa | | CONNO | R | TES | TINST | Date | : 01/12/2 ENTS | | | | | | |
| | bly to DB is from: (<u>RISING BUSBAR TAP O</u> | | | | CUIED | DIRECI | | | ominal vol | | | LA I II | | of phase | s: (<u>3</u> |) | (ente Mult | <mark>r serial</mark> i-functio | numbeı on: | r agains | t each ir | | ment us inuity: | ed) | | , |
| | current protection device for the distribut | tion ci | ircuit | Туре: | (BS EN | 88 | | |) R | ating: | (<u>100</u> |) A () | | | | , | Insu | 1231015 lation re | | ;e: |) ()) (| Earth | n fault lo | oop imped | ance: | () ۱ |
| | acteristics at this DB Confirmation of su | upply | polarit | ty: (Ye | <u>is </u>) F | Phase se | | lo. of poles: (<u></u> e confirmed (whe |) ere appro | <i>∆_n</i> opriate | (e): | | | ating tim)Ω | |) ms) kA | Eart | n electro | ode resi | istance: |) (| RCD: | | | | ') |
| | port is based on the model forms shown in Appe red by Certsure LLP Certsure LLP op | | | | ELECSA b | rands | (| *Wł © Copyright Certsu | here figure Ire LLP (Ju | | | | | / | | | | | | |) | | | Page 22 | of | 32 |



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND | TEST | RESUL | .TS | Cir | cuits/equipment vul | nerat | ole to d | damag | e whe | n testing: | | | | | | | | | | | | | |
|----------------|---|-------------------------------|-------------------------------|-------------------------|-------------------------|--------------------------------|--------------------------------------|--|------------------|---------------------------|---------------------------|---------------------------|---|------------------|---|-------------|------------|--------------------------------|----------------|----------------------------|-----------------------|-------------------------|--|------------------|--------------|-------------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cab conduit | les in (| C) Thermopl non-meta | astic cables i llic conduit | in (D) 1 | Thermoplastic cables in (E) netallic trunking | Thermo non-me | plastic ca tallic trun | ables in king | (F) Ther | moplastic / SV | /A cables | (G)Thermose | tting / SWA | cables (H) | Mineral-insu | lated cable | es (O) ot | her - state | LSX M | ULTICO | RE CABLING | | |
| er | Circuit description | 6 | thod | served | | cuit ctor csa | ction 1) | Protective | e devic | e | | RCD | iitted ed ice* | | | t impedano | | | Ins | ulation resi | stance | | l earth ince, Zs | RCD operating | Te butt | est cons |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circuits sured end to (Neutral) | | | rcuits e at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | 🗑 Max. measured earth Sfault loop impedance, Zs | time | RCD | AFDD |
| | | _ | | Z | (mm²) | (mm²) | (s) | | | (A) | (kA) | (mA) | (Ω) | rı | rn | Г2 | (R1+R2) | R2 | (MΩ) | _ | (V) | | | (ms) | | |
| | LIGHTING LCM - CORRIDOR | 0 | В | 7 | | 2.5 | - | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.53 | | >200 | >200 | 500 | · · |).33 | ' | | |
| | LIGHTING LCM - ROOM 6.01, 6.02 | 0 | В | 2 | 2.5 | 2.5 | 0.4 | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.54 | | >200 | >200 | 500 | |).36 | └─── ' | | |
| | LIGHTING LCM - ROOM 6.16 | 0 | В | 3 | | 2.5 | | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.60 | | >200 | >200 | 500 | \checkmark | | └─── ′ | | |
| | LIGHTING LCM - CORIDOR | 0 | В | b | | | - | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 0.51 | | >200 | >200 | 500 | √ 0 | | └─── ′ | | |
| | LIGHTING LCM - ROOM 6.18, 6.19 | 0 | В | | | 2.5 | | 60898 MCB | U O | 10 | 10 | 00 | 2.19 | | | | 0.82 | | >200 | >200 | 500 | |).85 | 00 | | |
| | LIGHTING LCM - WC SPARE | U | В | ¥ | 2.5 | 2.5 | 0.4 | 61009 RCD/RCB0 | ι L | 10 | 10 | 30 | 2.19 | | | | 0.77 | | >200 | >200 | 500 | <u>~</u> u |).73 | 29 | ~ | |
| | LIGHTING LCM - LIFT LOBBY, DISABLED | 0 | B | b | 2.5 | 2.5 | 0.4 | 61009 RC/RCBO | C | 10 | 10 | 30 | 2.19 | | | | 0.96 | | >200 | >200 | 500 | | 77 | 19 | | |
| | LIGHTING LCM - LIFT LOBBY, DISABLED | 0 | Р В | 4 | | 2.5 2.5 | - | 60898 MCB | с С | 10 | 10 | 30 | 2.19 | | | | 0.96 | | >200 | >200 | 500 500 | | - | 19 | ~ | |
| | SPARE | U | Þ | <u> </u> | 2.5 | 2.5 | 0.4 | | L L | 10 | 10 | | 2.19 | | | | 0.57 | | >200 | >200 | 000 | ~0 | J.57 | ' | | |
| | SPARE | | | | | | | | <u> </u> | | | | | | | | | | | | | + | | | | |
| | SPARE | | | | | | | | - | | | | | | | | | | | | | + + | | | | |
| | LIGHTING - CORRIDOR PIR CONTROL | 0 | В | | 2.5 | 2.5 | 0.4 | 60898 MCB | C | 10 | 10 | | 2.19 | | | | 1.01 | | >200 | >200 | 500 | | 1 00 | | | |
| | SPARE | 0 | D | , | 2.5 | 2.5 | 0.4 | 00030 1010 0 | | 10 | 10 | | 2.19 | | | | 1.01 | | >200 | >200 | 500 | ~ | J.05 | | | |
| | SPARE | | - | | | | | | | - | | | 2.15 | | | | | | | + | | + | |] | | |
| | KWH METER | D | В | 1 | 1.5 | | 0.4 | 60898 MCB | C | 2 | 10 | | 10.93 | | | | | | | - | | + | | | | |
| | KWH METER | n | B | 1 | 1.5 | | - | 60898 MCB | C | 2 | 10 | | 10.93 | | | | | | | + | | + | | | \checkmark | |
| | KWH METER | D | B | 1 | 1.5 | | - | 60898 MCB | C. | 2 | 10 | | 10.93 | | | | | | | + | | + | | | ~ | |
| | RIBUTION BOARD (DB) DETAILS e completed in every case) | | | | DB/W/LT WEST RI | | H FLOO | R TEST | ED E | | | 1 | lls): <u>DAN</u> | | ONNOR | | | | Date: | n: <u>APPR</u> 01/12/20 | | LECT | RICIA | N | | |
| | E COMPLETED ONLY IF THE DB IS y to DB is from: (RISING BUSBAR TAP OFF | | | | | | | THE ORIGIN OF T | | | | TION) V | | phases: | (3 |) | (enter s | INSTR erial nu unction: | mber a | VTS Igainst e | | t rume ontinu | | ed) | | |
| Overc | urrent protection device for the distribution | on circ | | | | | | | | ng: (<u>1(</u> | | .)A | | | | | · | 3101508 ion resis | | |) (Fi | arth f: | ault Io | op imped | ance. |) |
| Assoc | siated RCD (if any) Type: (BS EN | | | |) Dh |) | No. | of poles: () | 1 | <u>an</u> (| | _) mA | Operati | ng time: | (|)ms | (| electrode | | |) (| CD: | | | |) |
| Unara | cteristics at this DB Confirmation of sup | ріу ро | parity: | (res |) Pha | ase sequ | ience c | | | | | | | | (3.2 |) КА | (| | | |) (| | | | |) |
| Publishe | ort is based on the model forms shown in Appen ed by Certsure LLP Certsure LLP oper k House. Houghton Hall Park. Houghton Regis. Di | ates th | e NICE | C & EL | ECSA brar | ıds | ©C | *Where fig opyright Certsure LLP (| | | ten from | BS 767 | 71, state s | ource: (<u></u> | | | | | | |) | | | Page | 23 of | 32 |



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ELECTRICAL INSTALLATION CONDITION REPORT

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| PAR | T 12 : SCHEDI | ULE OF CIRCUIT D | DETAILS | S AND | TEST | RESUL | .TS | Cir | rcuits/equipment | t vulne | rable t | o damag | ge whe | n testing | : | | | | | | | | | | | | |
|----------------------|--|--|-------------------------|--|-------------------------|-------------------------|-----------------------------------|--------------------------------------|--|-----------|---------------------------|---------------------------|------------|---|-----------------|---------------------------|-----------------|-------------------|------------------------|----------------|----------------------------|-----------------------|--------------|---|------------------|--------------|--------------|
| CODES | For Type of wiring | (A) Thermoplastic insulated / sheathed cables | (B) Therr metal | noplastic cab lic conduit | les in (| C) Thermopl non-meta | lastic cables in Illic conduit | n (D) | Thermoplastic cables in metallic trunking | (E) The | rmoplastic -metallic t | cables in runking | (F) Ther | moplastic / SV | VA cables | (G)Thermose | etting / SWA o | cables (H) | Mineral-insu | lated cable | es (O) ot | her - state | LSX MU | ILTICO | RE CABLING | | |
| 0er | Ci | rcuit description | D. | thod | served | | rcuit ctor csa | ction 1) | Prote | ective de | vice | | RCD | nitted ed ice* | Diag | Circui final circuit: | it impedanc | | ircuits | Insi | ulation resi | istance | - | l earth ance, Zs | RCD operating | | est tons |
| Circuit number | | | Type of wiri | (see Codes) Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | | Type Rating | Short-circuit capacity | | Maximum permitted Zs for installed protective device* | (mea: (Line) | sured end to (Neutral) | c end) (cpc) | (complet one c | te at least column) | Live / Live | Live / Earth | Test voltage DC | Polarity | ි Max. measured earth පිfault loop impedance, Zs | time | RCD | AFDD |
| 1/L1 | LIGHTING LCM | | 0 | В | 1 | (mm²) 2.5 | (mm²) 2.5 | (s) 0.4 | 61009 RCD/RCB | 0 0 | (/ 10 | (kA) (kA) | (mA) 30 | (Ω) 2.19 | rı. | rn | ľ2 | (R1+R2) 0.70 | R2 | (MΩ) >200 | (MΩ) >200 | (V) 500 | √ 0. | | (ms) 30 | \checkmark | <u> </u> |
| 1/L1 1/L2 | | - | 0 | B | 1 | 2.5 2.5 | | 0.4 0.4 | 60898 MCB | | 10 | 10 | 30 | 2.19 | | | | 0.70 | | >200 | >200 | 500 | ✓ 0. ✓ 0. | | 30 | ~ | |
| | | - ROOM 6.20, 6.21, 6.22 | ~ | B | 0 | | | 0.4 0.4 | 60898 MCB | с С | 10 | 10 | | 2.19 | | | | 0.50 | | >200 | >200 | 500 | ✓ 0. ✓ 0. | | | | |
| 1/L3 2/L1 | | | 2 0 | B | 1 | | | 0.4 0.4 | 61009 RCD/RCB | | 10 | 10 | 30 | 2.19 | | | | 0.55 | | >200 | >200 | 500 | ✓ 0. ✓ 0. | | 30 | \checkmark | |
| 2/L1 2/L2 | LIGHTING LCM | - | 0 | B | 3 | 2.5 | | 0.4 0.4 | 60898 MCB | | 10 | 10 | 00 | 2.19 | | | | 0.73 | | >200 | >200 | 500 | ✓ 0. ✓ 0. | | 50 | ~ | |
| 2/L2 2/L3 | | - ROOM 6.06, 6.07 & | 0 | B | 2 | 2.5 | | 0.4 0.4 | 60898 MCB | r C | 10 | 10 | | 2.13 | | | | 0.33 | | >200 | >200 | 500 | <u> </u> | | ├ ──┤ | | |
| | | - ROOM 6.03, 6.04 | | B | 4 | 2.5 | | 0.4 0.4 | 60898 MCB | ں r | 10 | 10 | + | 2.19 | | | | 0.40 | | >200 | >200 | 500 | ✓ 0. ✓ 0. | | | | |
| | SPARE SPARE | | | | | | | | | | | | | | | | | 0.07 | | 200 | >200 | 500 | V 0. | .07 | | | |
| | SPARE SPARE | | | | | | | | | | | | | | | | | | | | - | | + | | | | |
| | | | | _ | | | | | | | | | | - | + | | | | | | | | | | | | |
| | SPARE Image: Constraint of the second se | | | | | | | | | | | | | | | | | | | | | | ++ | | ├ ──┤ | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | - | + | ++ | | | | ├ ──┤ |
| | SPARE | | | | | | | | | | | | | | | | | | | | - | | ++ | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | + | ++ | | | | ├ ──┤ |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | KHW METER | | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | - | | ++ | | | | |
| | KHW METER | | D | B | 1 | 1 | | - | 60898 MCB | C C | 5 | 10 | | 10.93 | | | | | | | | | ++ | | | | |
| | KHW METER | | D | B | 1 | 1 | | | 60898 MCB | C | 2 | 10 | | 10.93 | | | | | | | | | + | | | | <u> </u> |
| | | OARD (DB) DETA in every case) | ILJ | | | DB/E/LT/ EAST RIS | 6 SER - 6TH | I FLOOI | | STED | BY | | _ | als): <u>DAN</u> | | ONNOR | | | | | n: <u>APPR</u> 01/12/20 | | ELECTR | RICIAI | N | | |
| | | ED ONLY IF THE D | | | | | | | | | | | | | | | | (enter s | INSTR serial nu | mber a | | each ins | strume | nt us | ed) | | |
| Suppl | ly to DB is from: | (RISING BUSBAR TAI | Р | | | | | |) Nomi | inal vo | tage: | (400 |) V | No. of | phases: | (3 |) | | function: | | | Ċ | ontinu | ity: | | | |
| | | n device for the distri | | | | | | | | | | |)A | | | | | · | 23101508 tion resis | | |) (<u>.</u> E | arth fa | ult lo | op impeda | ance: |) |
| | | y) Type: (BS EN s DB Confirmation c | | | | | | | | | | | | | | | | (Earth e | electrode | e resist | ance: |) (R) (| CD: | | | |) |
| This rep Publishe | ort is based on the ed by Certsure LLP | model forms shown in A | Appendix 6 Poperates | of BS 767 the NICE | 71 IC & EL | | | | | re figure | is not f | aken froi | | 71, state s | | <u></u> | | · | | | |) | | | Page | 24 of | |

Original(to the person ordering the work)



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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

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

| PAR | T 12 : SCHEDULE OF CIRCUIT DET | AILS | AND | TEST | RESUL | .TS | Cir | cuits/equipment vu | Inerat | ole to o | damag | e whe | n testing | : | | | | | | | | | | | | |
|---|---|------------------------------|-------------------------------|-------------------------|-----------------|----------------------------------|--------------------------------------|---|------------------|---------------------------|---------------------------|---------------------------|---|--------------|------------------------------|----------------|-----------|----------------------------------|----------------|-----------------|-----------------------|---------------------------|----------------------------|------------------|--------------|--------------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cab conduit | les in (| (C) Thermopl | lastic cables i allic conduit | in (D) T | hermoplastic cables in (E) netallic trunking | Thermo non-me | plastic ca tallic trun | ables in nking | (F) Ther | moplastic / S\ | WA cables | (G) ^{Thermos} | etting / SWA c | ables (H) | Mineral-insul | lated cables | s (0) of | ther - state | LSX MUL | LTICOF | RE CABLING | ; | |
| er | Circuit description | 5 | hod | served | | cuit ctor csa | tion | Protectiv | ve devic | 9 | | RCD | itted ed ce* | | | iit impedanc | | | Insu | llation res | istance | aarth | nce, Zs | RCD operating | | est ttons |
| Circuit number | | Type of wirin (see Codes) | Reference Method (BS 7671) | Number of points served | Live | CDC | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circui asured end f | | (complet | ircuits te at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity Max. measured | S fault loop impedance, Zs | time | RCD | AFDD |
| | | | | ž | (mm²) | (mm²) | (s) | | | (A) | (kA) | (mA) | (Ω) | (Line) ľi | rn | (CPC) 12 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | | (ms) | nob | AIDD |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | - | 61009 RCD/RCBO | С | 32 | | 30 | 0.68 | | | | 0.42 | | >200 | >200 | 500 | ✓ 0.8 | | 23 | \checkmark | |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | - | 61009 RCD/RCBO | С | 32 | | 30 | 0.68 | | | | 0.28 | | >200 | >200 | 500 | √ 0.2 | | 31 | \checkmark | |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | | 61009 RCD/RCBO | С | 32 | | 30 | 0.68 | | | | 0.34 | | >200 | >200 | 500 | √ 0.2 | | 31 | \checkmark | |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | | 61009 RCD/RCBO | С | 32 | | 30 | 0.68 | | | | 0.29 | | >200 | >200 | 500 | ✓ 0.4 | - | 40 | \checkmark | |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | - | 61009 RCD/RCBO | С | 32 | - | 30 | 0.68 | | | | 0.31 | | >200 | >200 | 500 | ✓ 0.2 | | 23 | \checkmark | <u> </u> |
| | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | | 61009 RCD/RCBO | С | 32 | | 30 | 0.68 | | | | 0.50 | | >200 | >200 | 500 | √ 0.4 | | 21 | \checkmark | |
| | GENERAL POWER - BOOTH & TV | G | В | 4 | 4 | 4 | | 61009 RCD/RCBO | С | 32 | | 30 | 0.68 | 0.39 | 0.30 | | 0.35 | | >200 | >200 | 500 | ✓ 0.3 | | 19 | \checkmark | |
| | CLEANERS SOCKETS | G | В | 3 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.55 | 0.56 | 0.33 | 0.65 | | >200 | >200 | 500 | ✓ 0.6 | 52 | 29 | \checkmark | |
| 3/L3 SPARE I< | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L1 VIVREAU, WATER HEATER - TEA POINT G B 2 4 4 0.4 60898 MCB C 32 10 0.68 0.56 0.59 0.56 0.40 >200 >200 500 🗸 0.55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L2 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 0.68 0.47 0.47 0.47 0.67 >200 >200 500 🗸 0.10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/L3 | 3 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 0.68 0.27 0.29 0.68 0.36 >200 >200 500 🗸 0.24 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 GENERAL POWER - G B 5 4 4 0.4 61009 RCD/RCBO C 32 10 0.68 0.55 0.93 0.57 0.38 >200 >200 500 🗸 0.45 29 🗸 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | /L1 GENERAL POWER - G B 5 4 0.4 61009 RCD/RCBO C 32 10 0.68 0.55 0.93 0.57 0.38 >200 >200 >00 > 0.45 29 > /L2 SPARE I | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIST | RIBUTION BOARD (DB) DETAILS | DB | design | ation: | DB/E/SP | /6 | | TEST | ED B | I Y | Name (| capita | als): <u>DAN</u> | INY O'C | ONNOR | | | | Positio | n: <u>APPF</u> | ROVED E | LECTRI | ICIAI | N | | |
| | e completed in every case) | Loc | ation o | of DB: | EAST RIS | | | | | | | | Dóan | | | | | | Date: <u>0</u> |)1/12/20 | 20 | | | | | |
| TO B | E COMPLETED ONLY IF THE DB IS | S NO | T COI | NNEC | TED DI | RECTL | Y TO 1 | THE ORIGIN OF | THE | INST | ALLA | TION | | | | | | INSTR | | | aaah ina | | | | | |
| Suppl | y to DB is from: (<u>RISING BUSBAR TAP OF</u> | F | | | | | |) Nominal | volta | ge: (<u>4</u> | 00 | .)V | No. of | phases: | : (<u>3</u> |) | Multi-f | serial nu function: | | gainst i | | ontinuit | | 3 u) | | |
| Overc | urrent protection device for the distribution | on cire | cuit T | ype: (E | BS EN <u>88</u> | | | |) Ratii | ng: (<u>1(</u> | 00 | _)A | | | | | · | 231015082 tion resis | | |) (<u></u> Fa | arth fai | ult lo | op imped | lance: |) |
| Assoc | ciated RCD (if any) Type: (BS EN | | | | |) | No. (| of poles: (|) _7 | (<u></u> | | _)mA | Operati | ing time: | : (|) ms | (| | | |) (| | | | |) |
| Chara | cteristics at this DB Confirmation of su | pply p | olarity: | (Yes |) Pha | ase sequ | ience co | onfirmed (where ap | propr | ate): | \checkmark | Zs | (0.10 |)Ω | . (<u>1</u> |)kA | Earth e | electrode | e resista | ance: |) (<u></u> | CD: | | | |) |
| This rep | ort is based on the model forms shown in Appened by Certsure LLP Certsure LLP open | dix 6 of | BS 767 | /1 | | | | *Where fig opyright Certsure LLP | gure is | not tak | | | | · · | | | | | | |) | | | Page | e 25 of | 32 |

Original(to the person ordering the work)



WEBSTER THOMAS ELECTRICAL LTD Electrical Contracting Engineers

UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074 This continuation sheet is not valid if the serial number is not the same as the corresponding report.

106195

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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

IPR18

| SCHE | EDULE OF CIRCUIT DETAILS AND |) TES | T RE | SULT | ſS | | | Circuits/equipn | ment vulr | nerable | to dam | age w | hen testi | ng: | | | | | | | | | | | |
|----------------|---|-------------------------------|-------------------------------|-------------------------|-----------------|---------------------------------|--------------------------------------|--|--------------|----------------------------|---------------------------|---------------------------|---|----------------|---------------------------------------|--------------|--|----------------------|-----------------|--|----------------|---|------------------|-------|-------------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (I sheathed cables | 3) Therm metal | noplastic c lic conduit | ables in | (C) Therr | noplastic cab netallic condi | lles in uit | (D) Thermoplastic cable metallic trunking | es in (E) | Thermoplas non-metallic | tic cables ir trunking | n (F) 1 | hermoplastic | / SWA cables | (G) Thermosetting | / SWA cables | (H) Mineral-i | insulated cal | bles (O |) other - stat | e LSX | MULTICO | IRE CABLING | | |
| ar ar | Circuit description | 5 | bod | served | | rcuit ctor csa |) tion | Pro | rotective de | vice | - | RCD | itted d ce* | | Circuit imped | | | Insul | lation resi | istance | | earth nce, Zs | RCD operating | | est tons |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | F | l ype Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | | nal circuits only ired end to end) | (compl | circuits ete at least column) | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth fault loop impedance, Zs | time | | |
| | | | 8 | Num | Live (mm²) | cpc (mm²) | ≥ (s) | | | (A) | ් (kA) | (mA) | ≥ ≏ (Ω) | (Line) r1 | (Neutral) (cpc rn r2 |) (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | lant Ω) | (ms) | RCD | AFC |
| 'L1 | FAN COIL UNITS | 0 | В | 5 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | (IIIZA) | 1.09 | | 111 12 | 0.56 | 112 | >200 | >200 | 500 | ~ | 0.66 | (110) | | _ |
| 'L2 | FAN COIL UNITS | 0 | В | 5 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | 0.59 | | >200 | >200 | 500 | ~ | 0.61 | | | |
| ′L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | |
| | RIBUTION BOARD (DB) DETAILS |) | | | n: <u>DB/E/</u> | | | | TEST | ED BY | | - | - | ANNY O'I | CONNOR | | | | | PROVED |) ELEC | TRICIA | <u>N</u> | | |
| | e completed in every case) | | | | B: <u>EAST</u> | | | | | | 5 | ature: | V. C C | un. | | | | | 01/12/ | 2020 | | | | | |
| Suppl | E COMPLETED ONLY IF THE DB y to DB is from: (RISING BUSBAR TAP O | FF | | | | | TLY T | | Nominal N | /oltage: | (400 | LATI()V | | of phases | :: (<u>3</u>) | (en Mu | ST INST ter serial Ilti-functio 181231015 | number on: | | | | ment us inuity: | ed) | | |
| | urrent protection device for the distribu siated RCD (if any) Type: (BS EN | tion ci | ircuit | Туре: | (BS EN | 88 |) N | No. of poles: (|) | Rating: | , | A()) m | | ating time | · (), | | ulation re | | e: | ······································ | Earth (| ı fault lo | oop imped | ance: | |
| | cteristics at this DB Confirmation of s | upply | polarit | y: (Ye | <u>es)</u> I | Phase se | | • •••• | here app | <i>∆n</i> propriat | | | | aung une)Ω | | | th electro | ode resi | stance: | : | RCD: | | | | |
| ublishe | ort is based on the model forms shown in Appr d by Certsure LLP Certsure LLP op k House Houghton Hall Park Houghton Begis | erates | the NIC | EIC & | ELECSA b | rands | | *V Copyright Certs© | 0 | | | | | e source: | | [| | | |) | | | Page 26 | i of | 32 |



WEBSTER THOMAS ELECTRICAL LTD

Electrical Contracting Engineers

UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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IPR18

ELECTRICAL INSTALLATION CONDITION REPORT

| PAR | T 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND | TEST | RESUL | .TS | Cir | cuits/equipment vul | neral | ble to c | damag | e whe | n testing: | | | | | | | | | | | | | |
|---|---|-------------------------------|-------------------------------|-------------------------|-------------------------|---------------------------------|--------------------------------------|--|------------------|---------------------------|---------------------------|---------------------------|---|---------------------------------|---|---------------|--------------------|--------------------------------|----------------|----------------------------|-----------------------|--------------------------|--|------------------|--------------|--------|
| CODES | For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic | lastic cabl conduit | es in (| C) Thermopl non-meta | astic cables i Illic conduit | n (D) ^T | Thermoplastic cables in (E) netallic trunking | Thermo non-me | plastic ca tallic trun | ibles in king | (F) Ther | moplastic / SV | VA cables (| (G)Thermose | tting / SWA o | ables (H) | Mineral-insu | lated cable | es (0) ot | her - state | | | | | |
| - <u>-</u> | Circuit description | _ | pot | erved | | cuit ctor csa |) tion | Protective | e devic | e | | RCD | tted d ce* | • | Circui | t impedanc | es (Ω) | | Ins | ulation resi | istance | | earth 1ce, Zs | RCD operating | Te butte | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | Live | срс | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, I∆n | Maximum permitted Zs for installed protective device* | | final circuits sured end to (Neutral) | | (complet one co | rcuits æ at least olumn) | Live / Live | Earth | Test voltage DC | Polarity | 😇 Max. measured earth Sfault loop impedance, Zs | time | RCD | AFDD |
| 1L1 | LIGHTING LCM - TEA POINT | 0 | B | 1 | (mm²) 2.5 | (mm²) 2.5 | (s) | 61009 RCD/RCBO | <u> </u> | (A) 10 | (kA) | (mA) 30 | (Ω) 2.19 | n | rn | ľ2 | (R1+R2) 0.54 | R2 | (MΩ) >200 | | (V) | | | (ms) | | |
| 1L1 1L2 | LIGHTING LCM - TEA POINT LIGHTING LCM - SPARE | 0 | B | 1 | 2.5 2.5 | 2.5 2.5 | - | | | 10 | 10 10 | 30 | 2.19 2.19 | | | | 0.54 0.36 | | >200 >200 | >200 | 500 500 | | | 18 | ~ |] |
| | LIGHTING LCM - SPARE LIGHTING LCM - ROOM 4.20, 4.21, 4.22 | 0 | Р В | 1 0 | | | 0.4 0.4 | 60898 MCB 60898 MCB | с Г | 10 | 10 | | 2.19 | | | | 0.30 0.54 | | >200 | >200 >200 | 500 500 | | | | | |
| | LIGHTING LCM - TEA POINT | 0 | B | ა 1 | | | | 61009 RCD/RCB0 | с Г | 10 | | 30 | 2.19 | | | | 0.54 0.50 | | >200 | >200 | 500 | | | 19.2 | | |
| | LIGHTING LCM - TEA POINT LIGHTING LCM - ROOM 4.08 | n | B | у 1 | | 2.5 2.5 | - | 60898 MCB | r | 10 | 10 | 50 | 2.19 | | | | 0.30 0.39 | | >200 | >200 | 500 | | | 1.3.2 | \checkmark | |
| | LIGHTING LCM - ROOM 4.06, 4.07 & | 0 | B | 2 2 | | 1 | - | 60898 MCB | r | 10 | 10 | | 2.13 | | | | 0.35 | | >200 | >200 | 500 | | | | | |
| | LIGHTING LCM - ROOM 4.00, 4.07 & | n | B | у И | 2.5 2.5 | 2.5 2.5 | - | 60898 MCB | r | 10 | 10 | | 2.19 | | | | 0.20 0.45 | | >200 | >200 | 500 | | | | | |
| 3L1 LIGHTING LCM - ROOM 4.03, 4.04 0 B 4 2.5 0.4 60898 MCB C 10 2.19 0.45 >200 >200 >0.7 0.87 0 3L2 SPARE 0 0 0 0 0 0 0 0 0.45 >200 >200 >0.7 0.87 0 0 3L3 SPARE 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3L3 SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | + | | ++ | | | | |
| AL1 SPARE Image: Spare in the system of | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | - | | ++ | | | | |
| | SPARE | | | | | | | | | | | | | | | | | | | - | | ++ | | | | |
| | L1 SPARE I <td></td> | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5L1 SPARE Image: Spare in the system of | | | | | | | | | | | | | | | | | | | | | | | | | |
| | KWH METER | D | В | 1 | 1 | | 0.4 | 60898 MCB | С | 2 | 10 | | 10.93 | | | | | | | + | | ++ | | | | |
| | KWH METER | D | B | 1 | 1 | | - | 60898 MCB | C | 2 | 10 | | 10.93 | | | | | | | | | ++ | | | | |
| | KWH METER | D | B | 1 | 1 | | | 60898 MCB | C | 2 | 10 | | 10.93 | | | | | | | | | ++ | | | | |
| | RIBUTION BOARD (DB) DETAILS e completed in every case) | | | | DB/E/LT/ EAST RIS | 4 SER 4TH | FLOOR | | ED E | | | | lls): <u>DAN</u>).ó <i>c</i> ur | | ONNOR | | | | | n: <u>APPR</u> 01/12/20 | •••••• | LECT | RICIAI | N | | |
| | E COMPLETED ONLY IF THE DB IS y to DB is from: (RISING BUSBAR TAP OFI | | | | | | | THE ORIGIN OF T | | | | TION | | nhases: | (3 | , | (enter s | INSTR erial nu unction: | mber a | | | strume Continu | | ed) | | |
| | | | | | | | | | | | | | | F | | ' | | 3101508 | | |) (| Junit | urry. | | |) |
| | urrent protection device for the distribution | | | | | | | | | | | _)A | | | | | ······ | ion resis | | | Ε | arth f | ault lo | op impeda | ance: | |
| Assoc Chara | ciated RCD (if any) Type: (BS EN | oply p | olarity: | (Yes |) Pha |) ase sequ | No. (| of poles: () onfirmed (where ap | 2 propr | ∆ <i>n</i> (iate): | | _)mA | Operatii (0.10 | ng time: .)Ω _{/2/2} | ((4.2 |) ms) kA | | electrode | | |) (R) (| CD: | | | |)) |
| This rep Publishe | ort is based on the model forms shown in Appen ed by Certsure LLP Certsure LLP oper k House Houghton Hall Park Houghton Regis D | dix 6 of ates th | BS 767 e NICEI | 1 C & Eli | | | | *Where fig opyright Certsure LLP (| ure is | not tak | en from | 1 BS 767 | 71, state so | ource: (| |] [| (| | | |) | | | Page | 27 of | 32 |



Electrical Contracting Engineers

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ELECTRICAL INSTALLATION CONDITION REPORT

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

| PAF | IT 12 : SCHEDULE OF CIRCUIT DETA | AILS / | AND ⁻ | IESI | RESUL | .TS | Cir | cuits/equipment vuli | neral | ble to a | damag | le whe | n testing | : | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|----------------------|----------------------------------|--------------------------------------|-------------------------|------------|-----------------------------|---------------------------|---------------------------|---|--------------------|-------------------------------|--------------|------------|----------------------------------|----------------|-----------------|-----------------------|---------------|--|------------------|--------------|------|
| CODE | S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables | Thermop metallic (| lastic cabl conduit | es in (| C) Thermopl | astic cables in Illic conduit | | | | oplastic ca etallic trun | | (F) Ther | moplastic / S\ | WA cables | (G)Thermos | etting / SWA | cables (H) | Mineral-insu | lated cables | ; (0) ot | ther - state | | | | | |
| | Circuit description | | po | erved | | cuit ctor csa | ion | Protective | devic | e : | | RCD | ted 1 e* | | Circu | it impedan | ces (Ω) | | Insul | lation resi | istance | | earth ce, Zs | RCD operating | Te butt | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | (mea | final circuit asured end t | o end) | (complet | ircuits te at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | Max. measured earth ault loop impedance, Zs | time | | |
| | | | - | Nur | Live (mm²) | cpc (mm²) | (s) | | | (A) | ぶ (kA) | (mA) | 2 – (Ω) | (Line) rı | (Neutral) rn | (cpc) r2 | (R1+R2) | R2 | (MΩ) | (MΩ) | (V) | | far ≤ (Ω) | (ms) | RCD | AFDD |
| 1L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.29 | | >200 | >200 | 500 | \checkmark | 0.49 | 29 | \checkmark | |
| 1L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.24 | | >200 | >200 | 500 | \checkmark | 0.69 | 39 | \checkmark | |
| 1L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.31 | | >200 | >200 | 500 | $\overline{}$ | 0.43 | 40 | \checkmark | |
| 2L1 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.15 | | >200 | >200 | 500 | $\overline{}$ | 0.23 | 30 | \checkmark | |
| 2L2 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.44 | | >200 | >200 | 500 | $\overline{}$ | 0.55 | 31 | \checkmark | |
| 2L3 | UNDERFLOOR POWER TRACK | G | В | 1 | 10 | 10 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | | | | 0.25 | | >200 | >200 | 500 | | 0.21 | 24 | \checkmark | |
| 3L1 | GENERAL POWER - BOOTHS & TV | G | В | 5 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.35 | 0.36 | 0.55 | 0.20 | | >200 | >200 | 500 | $\overline{}$ | 0.38 | 30 | \checkmark | |
| 3L2 | CLEANERS SOCKETS | G | В | 3 | 4 | 4 | 0.4 | 61009 RCD/RCBO | С | 32 | 10 | 30 | 0.68 | 0.58 | 0.57 | 0.47 | 0.20 | | >200 | >200 | 500 | \checkmark | 0.18 | 29 | \checkmark | |
| 3L3 | SPARE | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 4L1 | VIVREAU, WATER HEATERS - TEA POINT | G | В | 2 | 4 | 4 | 0.4 | 60898 MCB | С | 32 | 10 | | 0.68 | 0.57 | | 0.70 | 0.52 | | >200 | >200 | 500 | $\overline{}$ | 0.5 | | | |
| 4L2 | 2 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 0.68 0.47 0.49 0.42 | | | | | | | | | | | | | | | 0.27 | | >200 | >200 | 500 | | | | | | |
| 4L3 | HL2 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 0.68 0.47 0.49 0.42 0.27 >200 200 500 0.55 HL3 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 0.68 0.60 0.61 0.67 0.22 >200 200 500 0.57 0.27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5L1 | L3 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 0.68 0.60 0.61 0.67 0.22 >200 200 500 2.27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5L2 | .3 APPLIANCES - TEA POINT G B 6 4 0.4 60898 MCB C 32 10 0.68 0.60 0.61 0.67 0.22 >200 >200 >00 >0.27 0.27 0.21 .1 GENRAL POWER - TEA POINT G B 5 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.57 0.57 0.55 0.49 >200 >200 >00 >0.27 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5L3 | SPARE | | | | <u> </u> | | | | | - | - | | | | | | | | | | + | + | | ++ | | |
| 6L1 | SPARE | | | | <u> </u> | | | | | - | - | | | | | | | | | 1 | + | + | | ├ ──┦ | | |
| 6L2 | SPARE | | | <u> </u> | <u> </u> | | | | | | + | | | | | | | | | | + | + | | | | |
| 6L3 | SPARE | | | <u> </u> | | | | | <u> </u> | | + | + | | | | | | | | | + | + | | | | |
| 7L1 | SPARE | | | <u> </u> | | | | | | | + | | | | | | | | | | + | + | | | ├ ──┦ | |
| 7L2 | SPARE | | | <u> </u> | | | | | <u> </u> | + | + | - | | | | | | | | | + | + | | | ├ ─┦ | |
| | TRIBUTION BOARD (DB) DETAILS be completed in every case) | | • | | DB/E/SP/ EAST RIS | | FLOOR | TEST | ED E | | | - | als): <u>DAN</u> D <i>óan</i> | | ONNOR | | | | Date: <u>0</u> |)1/12/20 | ROVED E | LECT | (RICIA | N | | |
| T0 | BE COMPLETED ONLY IF THE DB IS | S NO | T CON | INEC | TED D | RECTLY | Y TO T | THE ORIGIN OF T | THE | INST | ALL | TION | | | | | | INSTR | | | | | | | | |
| Sur | bly to DB is from: (RISING BUSBAR TAP OFF | | | | | | |) Nominal | volta | | 00 |) V | No. of | phases | . 13 | | | | | jainst e | each ins | | | ed) | | |
| Subl | IN LO DE IS HUIII. (MISHING BUSBAN TAF OFF | | | | | | |) Nominal | /UILd | ye. (40 | JU |) v | NO. 01 | phases | . (5 | / | | unction: 3101508 | | | | ontin | nuity: | | | , |
| | current protection device for the distribution | | , | | | | | | | ing: (<u>1(</u> | |)A | | | | | · | tion resis | | | / (Er | arth | fault lc | oop imped | ance: | |
| Asso | ciated RCD (if any) Type: (BS EN | | | | |) | No. d | of poles: () | [] | <u></u> ∆n (| |) mA | Operati | ing time: | : (|) ms | (| lootroda | rogicta | |) (| CD: | | | |) |
| Chai | acteristics at this DB Confirmation of sup | oply po | olarity: | (Yes |) Pha | ase sequ | ence co | onfirmed (where app | oropr | riate): | \checkmark | Zs | (<u>0.22</u> | _)Ω _{/?/} | (1.6 |) kA | carth e | electrode | eresista | ince: |) (| UU: | | | |) |
| | | | | | | | | *Where figu | | | | | | | | | | | | | | | | | | |
| | port is based on the model forms shown in Append ned by Certsure LLP Certsure LLP opera | | | | ECSA brar | nds | © Co | opyright Certsure LLP (| | | .6111100 | 11 03 /0 | i, state s | ource: (| | | | | | |) | | | Page | e 28 of | 32 |

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Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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This continuation sheet is not valid if the serial number is not the same as the corresponding report.

106195

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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

IPR18

| SCH | IEDULE OF CIRCUIT DETAILS AND | TES | ST RE | SULT | S | | | Circuits/equipn | nent vulne | erable | to dan | nage w | hen testi | ng: | | | | | | | | | | | | |
|----------------|--|-------------------------------|-------------------------------|-------------------------|-------------------------------------|----------------------------------|--------------------------------------|---|-----------------------------|-------------------------|---------------------------|--------------------------------|---|--------------|--------------------------------|---------------|--------------|--------------------------------|----------------|---------------------------------------|-----------------------|---------------|-----------------------|------------------|-------------|------|
| CODE | ES For Type of wiring (A) Thermoplastic insulated / (E sheathed cables | 3) Therm metall | noplastic o lic condui | cables in t | (C) Thern | noplastic cabl netallic condu | les in Jit | D) Thermoplastic cable metallic trunking | es in (E) Th | ermoplast n-metallic | tic cables i trunking | ⁱⁿ (F) [·] | l hermoplastic | / SWA cables | s (G) Therr | nosetting / S | NA cables (| H) Mineral-i | insulated ca | ables (O) | other - state | 3 | | | | |
|)er | Circuit description | gn (; | thod | served | | cuit ctor csa | ction 1) | Pro | otective devi | ce | | RCD | nitted ed ice* | Disc | | it impedan | | | Insu | llation resis | stance | | l earth ance, Zs | RCD operating | Te butte | |
| Circuit number | | Type of wiring (see Codes) | Reference Method (BS 7671) | Number of points served | | | Max. disconnection time (BS 7671) | BS (EN) | Type | Rating | Short-circuit capacity | Operating current, IΔn | Maximum permitted Zs for installed protective device* | | final circuit: sured end to | | | rcuits e at least olumn) | Live / Live | Live / Earth | Test voltage DC | Polarity | 😇 Max. measured earth | time | | |
| | | | ä | Num | Live (mm²) | cpc (mm²) | ≊ (s) | | | (A) | | | | (Line) rı | (Neutral) rn | (cpc) r2 | (R1+R2) | R₂ | (MΩ) | (MΩ) | (V) | | (Ω) | (ms) | RCD | AFDD |
| 7L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8L1 | FAN COIL UNITS | 0 | В | 5 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | | 0.26 | | >200 | >200 | 500 | \checkmark | 0.39 | | | |
| 8L2 | FAN COIL UNITS | 0 | В | 5 | 4 | 4 | 0.4 | 60898 MCB | C | 20 | 10 | | 1.09 | | | | 0.24 | | >200 | >200 | 500 | $\overline{}$ | 0.44 | | | |
| 8L3 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | |
| (to | TRIBUTION BOARD (DB) DETAILS be completed in every case) BE COMPLETED ONLY IF THE DB | Lo | cation | of DB | n: <u>DB/E/S</u> : <u>EAST I</u> | RISER 4T | | | TESTE | | Sigr | nature: | Dóa | ANNY O | ' <u>CONNO</u> | R |) TFS | TINST | Date | : 01/12/2 | PROVED 2020 | ELEC | TRICIA | N | | |
| | BE COMPLETED UNLY IF THE DB | | | UNN | CIED | DIKEU | ILYI | | lominal vo | | | LA I I. V (| | of phase | es: (3 |) | ente (ente | r serial | numbei | r agains | t each ir | | ment us nuity: | ed) | | |
| | rcurrent protection device for the distribut | | ircuit | Type: | (BS EN | 88 | | | | Rating: | |)A | | | · | ' | (1008 | 1231015 lation re | 08263 | · · · · · · · · · · · · · · · · · · · |) (| (| | op imped | anco: |) |
| Asso | ociated RCD (if any) Type: (BS EN | | | | | |) ٢ | lo. of poles: (|) | <u>∕</u> a∆n | (|) m | A Oper | ating tim | ie: (|) ms | | h electro | | |) (| RCD: | | ор ширей | |) |
| Cha | racteristics at this DB Confirmation of s | upply | polari | ty: (<u>Ye</u> | <u>s</u>) F | ^p hase se | quenc | e confirmed (wl | here appr | opriate | e): 🔽 | 3 z | s (<u>0.22</u> |)Ω (| _羽 (<u>1.6</u> |) kA | | | | ISTAILC6: |) (| | | | |) |
| | port is based on the model forms shown in Appe hed by Certsure LLP Certsure LLP ope | | | | ELECSA b | rands | | *V Copyright Certs© | Vhere figur sure LLP (Ju | | | rom BS | 7671, stat | e source: | (| | | | | |) | | | Page 29 | of | 32 |



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ADDITIONAL NOTES

ELECTRICAL INSTALLATION CONDITION REPORT

(see additional page No. N/A)

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 ful 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).

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For further information about electrical safety and how NICEIC can help you, visit **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

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