

ELECTRICAL INSTALLATION CONDITION REPORT

at

The Darley Centre
Ashby
Scunthorpe
North Lincolnshire
DN16 2TD

Prepared by: **Simon Lynn**

Date: **07/08/20**

brook&Mayo

Electrical & Maintenance Contractors Established 1969

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Report Reference: EICR/120361/158

Fault and Defect Codes Explained

Each item has been identified with a classification code as follows.

Code C1 (Danger present)

Where an observation has been given a Code **C1**, the safety of those using the installation may be 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 potential danger. The Approved Contractor issuing this report will be able to provide further advice.

Code C2 (Potentially dangerous)

Where an observation has been given a Code **C2** it indicates that whilst safety of those using the installation may not be at immediate risk, urgent remedial action should be taken, as soon as possible, to remove a potential danger. The Approved Contractor issuing this report will be able to provide further advice.

Code C3 (Improvement recommended)

Where an observation has been given a 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 Approved Contractor issuing this report will be able to provide further advice.

Code * (Requires further investigation)

Where ***** has been added against an observation after a code, 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.

Code / (Information Only)

Where **/** has been added against an observation it is a comment only, and is not a recommendation, and is not part of BS7671. It is intended as information only, which could be useful to the person ordering this report, the engineer carrying out the inspection and/or the competent person carrying out any remedial actions.

Code + (Outside scope of works)

Where **+** has been added against an observation it indicates an item, which was noted during the normal course of testing, which did not fall within the scope of this test i.e. Other systems - Fire Detection & Alarm Systems, Emergency Lighting systems, etc.

Identified Faults and Defects

This Section lists defects and non-compliances that were identified during the inspection and testing procedures. The test engineer may also have added additional information, which may be of benefit to the person ordering the test. He may also have added observations about other systems outside the scope of the works, if issues were noted during the course of testing works.

- 1 **Kitchen** - Insulation resistance faults (643.3.2), are present to two mineral insulated cable circuits, supplying the water heater and sink steriliser, within the Kitchen, from DB Siemens. Remedial action taken. (/)
- 2 **Entire Site** - A large amount of thermal damage is present to Corridor & WC light fittings, across the site (651.4). Incorrect lamps are installed in some, which will have reduced the life span of these light fittings. **NOTE:** All heavily effected light fittings were replaced whilst on site. (/)
- 3 **Entire Site** - Blanks missing from two consumer units (416.2.1). **Note:** Rectified while on site. (/)
- 4 **External** - A flood light, to the left-hand side, is not adequately secured (651.4). Remedial action taken. (/)
- 5 **Cabins** - Incorrect earthing arrangement at Cabins to LHS of premises. (PME earthing installed with stake as secondary protection as per agreement with Nigel Willerton) (/)
- 6 **Cabins** - No Earth Stake present to rear Porta-Cabin. Remedial action taken. (/)
- 7 **Fire Alarm** - The fire alarm supply, is not installed using a fire rated cabling, or a suitable isolator, adjacent the Fire Alarm control panel (BS5839-1:2017). Remedial action taken. (/)
- 8 **External** - External RCD Socket was damaged (651.4), but replaced whilst on site. (/)
- 9 **Rear Portacabin** - Main RCD failed disconnection time testing (643.8). A replacement was installed while on site, but this was of a different manufacturer to the unit it was installed to and therefore is not type tested. Replaced. (/)
- 10 **DB-C** - Unprofessional alterations to consumer unit (134.1.1). A 6mm cable used to extend the busbar and non-type tested MCBs installed. Relocation and removal of redundant circuits is required and removal of this configuration. Remedial action taken. (/)

- 11 **Entire Installation** - No additional 30mA RCD Protection, to cable concealed in the fabric of the building (522.6.202). (C3)

Circuits affected by this are:

DB-Siemens	1L1 / 1L2 / 1L3 / 2L2 / 2L3 / 3L1 / 4L1 / 4L3
DB-C	2
DB-A	2L3 / 3L1

Summary

This installation is in an average condition for its age and use.

Additional RCD protection is missing, in areas where cables are concealed in the fabric of the building. Low insulation resistance results recorded, to circuits dating back to the original installation.

Accessories are generally in good working order and function as intended, but signs of age are visible. Some of the distribution equipment is outdated and obsolete, but overall, in good working order. Containment of cables, is mainly by plastic conduit and trunking. However, some of the older circuits are concealed in the fabric of the building. Some supplies are still wired in MI cable and the majority of these are in need of replacement. Supply to DB-A and therefore the complete installation, is via an old MI cable, which is fused at a 63A isolator. A 100A DNO cut-out is present, if an upgrade of supply is required.

Once remedial actions are carried out, the installation should serve the end user well, until the next scheduled inspection, which will be on the 7/08/2025.

Limitations and Specification

100% of RCD and RCBO devices were tested, where it was practicable to do so.

A percentage of accessories were opened and inspected; until the test engineer was satisfied that sufficient checks had been made. A Minimum of 10% of accessories were checked.

No inspection was made to cables buried in, or concealed by, building materials, or contained within trunking, or conduit systems.

The measurement Z_e can only be accurately obtained with the electrical system de-energised, and with the main earthing conductor isolated, from the installation. Where this was not practicable, for safety considerations, the main earthing conductor was not disconnected, and Z_e became Z_{db} .

Insulation resistance testing between live conductors may not have been carried out, due to loads that may be connected, and possible damage to equipment. Insulation resistance testing may have been carried out as a global test at each distribution board, between phase/neutral linked together and earth. The phase to neutral measurement may not have been measured, and therefore not recorded. If it was not possible, a selection of circuits was tested instead. Testing may have been carried out at 250v initially, if this resulted in a pass value, the test may have been repeated at 500v, but only if the test engineer was certain that no electronic equipment was connected.

Ring Main final continuity testing may have been limited to end to end testing only, on a sample of circuits, at the test engineer's discretion, but was a minimum of 25% ring main circuits within the installation.

Earth continuity was proven using a combination of earth fault loop impedance testing, and R2 testing using a wander lead, at the test engineer's discretion,

No item which could not be safely accessed, from a five-tread pair of step ladders, was tested or inspected other than an external visual inspection carried out from ground level.

Where there is suspicion that items of equipment contained asbestos (e.g. fuse flash arrestors), fuses were NOT removed. Therefore, fuse type and size were not verified, or recorded, and minimal testing and recording (see note below) of the equipment containing asbestos was carried out. An observation was recorded about the presence of asbestos. The engineer may have decided not to open an enclosure suspected of containing asbestos.

Note: Restricted to cable type and size, earth loop PFC and overall insulation resistance tests if accessible without dismantling the equipment.

The list of deviations recorded in this report cannot be taken as an exhaustive list.

Where deviations have been recorded as a Code * (further investigation required), further deviations may be found, by the competent person carrying out the investigation.

The following items are not within the scope of this report, but mention may have been made, if items were noted, during the normal course of testing.

Fixed equipment.

Metering and electricity supplier's equipment.

Fire Detection & Alarm Systems.

Emergency Lighting.

Door Entry & Access Control Systems.

Intruder Alarm Systems.

Telecommunications Equipment.

Network and Data Communication Systems.

Highway power systems attached to any part of the structure of the building.

Lightening protection systems, other than noting whether the system is bonded to earth.

Equipment or installation located within an ATEX zoned area

Reference Number:*EICR/120361-158***brook&Mayo**Lincoln : 01522 686851
Peterborough : 01733 563067
info@brookandmayo.co.uk**ORIGINAL****ELECTRICAL INSTALLATION CONDITION REPORT**

(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS7671 (IET WIRING REGULATIONS))

Details of the Client**1**

Details of the Client:

*North Lincolnshire Council Maintenance Services
Church Square
30-40 High Street
Scunthorpe
North Lincolnshire**DN17 4PG*

Reason for producing the report:

*Essential Client Information***Details of the Installation****2**

Occupier and Address:

*Darley Centre
School Road
Ashby
Scunthorpe**DN16 2TD*

Description of premises:

Commercial

Estimated age of wiring system(years):

40

Evidence of additions / alterations:

Yes

If yes, estimate age: (years)

5

Installation records available:

No

Date of last inspection:

*30/04/2015***Extent and Limitations of Inspection and Testing****3**

Extent of installation covered by this report:

The whole of the fixed electrical installation.

Agreed and operational limitations on inspection and testing (include reasons and person agreed with):

Please see " Limitations and Specification" section of attached 6 page cover report.

The inspection and testing detailed in this report and accompanying schedules has been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to *2020*. Cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

Summary of the Condition of the Installation**4**

See page 2 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*:

satisfactory

*An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

Declaration**5**

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations listed above.

Inspected and Tested by:

Name:

SIMON LYNN

Position:

APPROVED ELECTRICIAN

Date:

07/08/2020

Signature:

Report reviewed and authorised for Issue by:

Name:

MICHAEL CROSS

Position:

QUALIFYING MANAGER

Date:

11/09/2020

Signature:

Reference Number:

EICR/120361-158

Details of the Contractor Responsible for the Inspection and Testing

6

Company and Address including postcode:

*Brook & Mayo Ltd
 Unit 5 Deepdale Enterprise Park
 Deepdale Lane
 Nettleham
 Lincoln LN2 2LL*

Telephone Number: *01522 686851*

CPS Provider: *NICEIC*

CPS Registration No: *008089*

Recommendations

7

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Code FI - Further Investigation Required'. Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

General condition of the installation in terms of electrical safety:

Please see " Summary" section of attached 6 page cover report.

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested after an interval not exceeding:

5 years

Supply Characteristics & Earthing Arrangements

8

System Earthing Arrangement:	<i>TN-C-S</i>	No. & Type of Live Conductors:	<i>a.c. 3 phase - 4 wire</i>	
Other Sources of Supply (to be detailed on attached schedules)	<i>N/A</i>	Supply Polarity	<input checked="" type="checkbox"/>	
Supply Protective Device		Nominal Voltage ⁽¹⁾	U ₀ <i>230</i> V	U <i>400</i> V
BS(EN):	<i>1361</i>	Nominal Frequency, f ⁽¹⁾	<i>50</i> Hz	
Rating:	<i>100</i> A	External Loop Impedance, Z _e ⁽²⁾	<i>0.12</i> Ω	
Type:	<i>IIB</i>	Prospective Fault Current, I _{pf} ⁽²⁾	<i>4.175</i> kA	
Breaking capacity:	<i>33</i> kA			

(1) By Enquiry
(2) By Enquiry or by measurement

Particulars of the Installation

9

Maximum Demand (Load)	<i>100</i> A	Fault Protection:	<i>ADS</i>	Main Switch or Circuit-breaker	
Means of Earthing		Electrode Details (if applicable)		<i>Service Intake / Main Switch</i>	
Distributors Facility:	<input checked="" type="checkbox"/>	Type:	<i>Rod</i>	BS(EN):	<i>5419</i>
Installation Earth Electrode:	<i>LIM</i>	Location:	<i>Cabin</i>	Type:	<i>-</i>
		Resistance to Earth:	<i>140</i> Ω	Current Rating:	<i>100</i> A
Main Protective Conductors				No. of poles:	<i>3</i>
Earthing Conductor:				Voltage Rating:	<i>415</i> V
Material:	<i>Copper</i>	Csa:	<i>16</i> mm ²	RCD Operating current:	<i>N/A</i> mA
Continuity & Connection:	<input checked="" type="checkbox"/>			RCD Rated time delay:	<i>N/A</i> ms
Main Protective Bonding Conductor:				RCD Operating time at I _{Δn} :	<i>N/A</i> ms
Material:	<i>Copper</i>	Csa:	<i>10</i> mm ²	Continuity & Connection:	<input checked="" type="checkbox"/>
Other Bonded Services:				Water:	<input checked="" type="checkbox"/>
Gas:	<i>N/A</i>	Oil:	<input checked="" type="checkbox"/>	Gas:	<i>N/A</i>
Other:	<i>N/A</i>	Steel:	<i>N/A</i>	Other:	<i>N/A</i>

Reference Number:

EICR/120361-158

Inspection Schedule (1)

✓ : Acceptable condition. C1 or C2 : Unacceptable condition. C3 : Improvement recommended.
 NV : Not verified. LIM : Limitation. N/A : Not applicable. FI : Further investigation

1 - EXTERNAL CONDITION OF INTAKE EQUIPMENT

(Visual inspection only)

	Comments	Outcome
Service cable		✓
Service head		✓
Earthing arrangements		✓
Meter tails		✓
Metering equipment		✓
Isolator (where present)		N/A

2 - PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES

Adequate arrangements where a generating set operates as a switched alternative to the public supply N/A

Adequate arrangements where a generating set operates in parallel with the public supply N/A

3 - AUTOMATIC DISCONNECTION OF SUPPLY

Main Earthing / Bonding arrangements:

Presence of distributor's earthing arrangement or earth electrode arrangement •		✓
Adequacy of earthing conductor size •		✓
Adequacy of earthing conductor connections •		✓
Accessibility of earthing conductor connections •		✓
Adequacy of main protective bonding conductor sizes •		✓
Adequacy and location of main protective bonding conductor connections •		✓
Accessibility of all protective bonding connections •		✓
Provision of earthing / bonding labels at all appropriate locations •		✓
FELV		N/A

4 - OTHER METHODS OF PROTECTION (Where the methods listed below are employed details should be provided on separate sheets)

Non-conducting location		N/A
Earth-free local equipotential bonding		N/A
Electrical separation		N/A
Double insulation		✓
Reinforced insulation		N/A

5 - DISTRIBUTION EQUIPMENT

Adequacy of Working space / accessibility to equipment		✓
Security of fixing		✓
Condition of insulation of live parts		✓
Adequacy / security of barriers		✓
Condition of enclosure(s) in terms of IP rating etc		✓
Condition of enclosure(s) in terms of fire rating etc		✓

Reference Number:

EICR/120361-158

Inspection Schedule (2)

5 - DISTRIBUTION EQUIPMENT (Continued)

Comments	Outcome
Enclosure not damaged / deteriorated so as to impair safety	<i>Report Observation 3</i> INFO
Presence and effectiveness of obstacles	N/A
Placing out of reach	N/A
Presence of main switch(es), linked where required	✓
Operation of main switch(es) (functional check)	✓
Manual operation of circuit-breakers and RCD(s) to prove disconnection	✓
Confirmation that integral test button / switch causes RCD(s) to trip when operated (functional check)	✓
RCD(s) provided for fault protection - includes RCBOs	N/A
RCD(s) provided for additional protection where required - includes RCBOs	✓
Presence of RCD six-monthly test notice at or near equipment where required	✓
Presence of diagrams, charts or schedules at or near equipment where required	✓
Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	✓
Presence of alternative supply warning notice at or near equipment where required	N/A
Presence of next inspection recommended label	✓
Presence of other required labelling (Please specify)	N/A
Compatibility of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing and overheating)	✓
Single-pole switching or protective devices in line conductors only	✓
Protection against mechanical damage where cables enter equipment	✓
Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓

6 - DISTRIBUTION CIRCUITS

Identification of conductors	✓
Cables correctly supported throughout their run	✓
Condition of insulation of live parts	<i>Report Observation 1</i> INFO
Non-sheathed cables protected by enclosure in conduit, duct or trunking	✓
Suitability of containment systems for continued use (including flexible conduit)	✓
Cables correctly terminated in enclosures	✓
Confirmation that ALL conductor connections, including to busbars, are correctly located in terminals and are tight and secure	✓
Examination of cables for signs of unacceptable thermal and mechanical damage / deterioration	✓
Adequacy of cables for current-carrying capacity with regard for the type and nature of installation	✓
Adequacy of protective devices; type and rated current for fault protection	✓

Reference Number:

EICR/120361-158

Inspection Schedule (3)

	Comments	Outcome
6 - DISTRIBUTION CIRCUITS (Continued)		
Presence and adequacy of circuit protective conductors		✓
Coordination between conductors and overload protective device		✓
Cable installation methods / practices with regard to the type and nature of installation and external influences		✓
Where exposed to direct sunlight, cable of a suitable type		✓
Cables concealed under floors, above ceilings, in walls / partitions less than 50mm from a surface, and in partitions containing metal parts:		
Cables installed in prescribed zones (see <i>Extent and limitations</i>) •		LIM
Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see <i>Extent and limitations</i>)		LIM
Provision of fire barriers, sealing arrangements and protection against thermal effects		✓
Band II Cables segregated / separated from band I cables		✓
Cables segregated / separated from non-electrical services		✓
Condition of circuit accessories		✓
Suitability of circuit accessories for external influences		✓
Single-pole switching or protective devices in line conductors only		✓
Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify / record numbers and locations of items inspected		✓
Presence, operation and correct location of appropriate devices for isolation and switching		✓
General condition of wiring systems		✓
Temperature rating of cable insulation		✓
7 - FINAL CIRCUITS		
Identification of conductors		✓
Cables correctly supported throughout their run		✓
Condition of insulation of live parts		✓
Non-sheathed cables protected by enclosure in conduit, ducting or trunking		✓
Suitability of containment systems for continued use (including flexible conduit)		✓
Adequacy of cables for current-carrying capacity with regard for the type and nature of installation		✓
Adequacy of protective devices; type and rated current for fault protection		✓
Presence and adequacy of circuit protective conductors		✓
Co-ordination between conductors and overload protective devices		✓
Wiring system(s) appropriate for the type and nature of the installation and external influences		✓

Reference Number:

EICR/120361-158

Inspection Schedule (4)

7 - FINAL CIRCUITS (Continued)

	Comments	Outcome
Cables concealed under floors, above ceilings, in walls / partitions		
installed in prescribed zones (see <i>Extent and limitations</i>) •		LIM
incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see <i>Extent and limitations</i>) or		LIM
Provision of additional protection by 30mA RCD		
*for circuits used to supply mobile equipment not exceeding 32A rating for use outdoors •		✓
*for all socket outlets of rating 32A or less unless exempt •		✓
*for cables concealed in walls at a depth of less than 50mm •	<i>Report Observation 11</i>	C3
*for cables concealed in walls/partitions containing metal parts, regardless of depth •		N/A
*for final circuits supplying luminaires within domestic premises •		N/A
Provision of fire barriers, sealing arrangements and protection against thermal effects		✓
Band II cables segregated / separated from band I cables		✓
Cables segregated / separated from non-electrical services		✓
Termination of cables at enclosures - identify / record numbers and locations of items inspected		
Connections under no undue strain •		✓
No basic insulation of a conductor visible outside enclosure •		✓
Connections of live conductors adequately enclosed •		✓
Adequately connected at point of entry to enclosure (glands, bushes etc) •		✓
Condition of accessories including socket-outlets, switches and joint boxes		✓
Suitability of accessories for external influences		✓
Single pole switching or protective devices in line conductors only		✓

8 - ISOLATION AND SWITCHING

*Note: Older installations designed prior to BS7671:2018 may not have been provided with RCDs for additional protection

	Comments	Outcome
Isolators		
Presence and condition of appropriate devices •		✓
Acceptable location - state if local or remote from equipment in question •		✓
Capable of being secured in the OFF position •		✓
Correct operation verified •		✓
Clearly identified by position and / or durable marking •		✓
Warning label posted in situations where live parts cannot be isolated by the operation of a single device •		N/A
Switching off for mechanical maintenance		
Presence and condition of appropriate devices •	<i>Report Observation 7</i>	INFO
Acceptable location - state if local or remote from equipment in question •		✓
Capable of being secured in the OFF position •		✓
Correct operation verified •		✓
Clearly identified by position and / or durable marking •		✓

Reference Number:

EICR/120361-158

Inspection Schedule (5)

8 - ISOLATION AND SWITCHING (Continued)

Emergency switching / stopping

- Presence and condition of appropriate devices
- Readily accessible for operation where danger might occur
- Correct operation verified
- Clearly identified by position and / or durable marking

Comments

Outcome

N/A
 N/A
 N/A
 N/A

Functional Switching

- Presence and condition of appropriate devices
- Correct operation verified

✓
 ✓

9 - CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

- Condition of equipment in terms of IP rating etc
- Equipment does not constitute a fire hazard
- Enclosure not damaged / deteriorated so as to impair safety
- Suitability for the environment and external influences
- Security of fixing
- Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected (separate page)

✓
 ✓
 ✓
 ✓
Report Observation 4
 INFO
 ✓

Recessed luminaires (downlighters)

- Correct type of lamps fitted
- Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar
- No signs of overheating to surrounding building fabric
- No signs of overheating to conductors / terminations

✓
 ✓
 ✓
 ✓

10 - LOCATION(S) CONTAINING A BATH OR SHOWER

- Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA
- Where used as a protective measure, requirements for SELV or PELV met
- Shaver sockets comply with BS EN 61558-2-5 formerly BS3535
- Presence of supplementary bonding conductors, unless not required by BS7671:2008
- Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1
- Suitability of equipment for external influences from installed location in terms of IP rating
- Suitability of equipment for installation in a particular zone
- Suitability of current-using equipment for particular position within the location

N/A
 N/A
 N/A
 N/A
 N/A
 N/A
 N/A
 N/A

11 - SPECIAL INSTALLATIONS OR LOCATIONS If any special installations or locations are present, list the particular inspections applied on a separate sheet.

Inspected by:

Name: *SIMON LYNN*

Date: *07/08/2020*

Position: *ELECTRICIAN*

Signature: 

Reference Number:

EICR/120361-158

Circuit Details

DB Reference:

DB-A

DB Location:

Entrance Hallway

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Distribution Board Comments:

Supplied from:

Main Isolator

Overcurrent Device:

88

RCD Operating Current:

N/A mA

Board Manufacturer:

Schnieder

Device Rating:

63

RCD time delay:

N/A

RCD Operating time at I_{Δn}

N/A ms

Circuit Number	Circuit Description	Circuit Category	*Codes for Installation methods														Codes for type of wiring:
			Number of points served	Disconnection Time (s)	Device BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	RCD Operating Current (mA)	Maximum Permitted Zs (Ω)	Type of Wiring	Installation Method*	Live csa (mm ²)	Cpc csa (mm ²)			
1L1	CCTV Spurs - Reception	Radial Circuit	2	0.4	60898	C	16	10	N/A	1.3656	A	B	2.5	1.5	H Mineral Insulated cables G XLPE/SWA Cables F PVC/SWA Cables E PVC Cables in non-metallic trunking D PVC Cables in metallic in non-metallic trunking C PVC Cables in conduit B PVC Cables in metallic in non-metallic conduit A PVC/PVC Cables		
1L2	Containers	Sub Main	1	5	61009	C	32	10	30	0.6828	F	C	6	6			
1L3	DB-B	Sub Main	1	5	60898	C	50	10	N/A	0.437	D	B	16	16			
2L1	Fire Alarm - Reception	Radial Circuit	1	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
2L2	Lights - This Lobby	Lighting Circuit	1	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
2L3	Lights - Heads Office ADJ	Lighting Circuit	2	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
3L1	Lights - Entrance & Reception	Lighting Circuit	8	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
3L2	Unlocated supply (Disused Woodwork supply)	Radial Circuit	1	0.4	60898	B	32	10	N/A	1.3656	A	B	10	4			
3L3	Sockets - Dado Heads Office	Sockets (A2 A3)	5	0.4	61009	C	20	10	30	1.0925	A	B	4	1.5			
4L1	DB - Science Store	Sub Main	1	5	60898	C	50	10	N/A	0.437	F	B	16	16			
4L2	Lights - External	Lighting Circuit	LIM	0.4	60898	C	15	10	N/A	1.4566	A	B	2.5	1.5			
4L3	Light - External	Lighting Circuit	LIM	0.4	60898	C	15	0	N/A	1.4566	A	B	2.5	1.5			
5L1	DB-D	Sub Main	1	5	60898	C	50	10	N/A	0.437	A	B	16	6			
5L2	DB-C	Sub Main	1	5	60898	C	50	10	N/A	0.437	A	B	16	6			
5L3	Sockets - Power Pole IT	Sockets (A2 A3)	5	0.4	61009	C	20	10	30	1.0925	A	B	4	4			
6L1	DB - Boiler	Sub Main	1	5	60898	B	16	10	N/A	2.7312	H	C	2.5	micc			
6L2	Lights - Group 3	Lighting Circuit	9	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
6L3	Lights - Corridor Left	Lighting Circuit	6	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
7L1	Lights - Corridor Right	Lighting Circuit	6	0.4	60898	B	6	10	N/A	7.2833	A	B	1.5	1			
7L2	Water Heater - Group 3	Radial Circuit	1	0.4	60898	C	16	10	N/A	1.3656	A	B	2.5	1.5			
7L3	Cooker	Radial Circuit	1	0.4	60898	B	32	10	N/A	1.3656	A	B	6	2.5			
8L1-L3	DB-E (Seimens)	Sub Main	1	5	60898	C	63	10	N/A	0.3468	F	B	25	SWA			

Reference Number:

EICR/120361-158

Test Results

DB Reference:

DB-A

DB Location:

Entrance Hallway

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Tested by: Name: SIMON LYNN Signature: Date: 07/08/2020	Test instrument serial numbers: Continuity: MIT320 101837193 RCD: RCDT320 10183710 Other: N/A	Earth electrode resistance: N/A Earth fault loop impedance: LTW425 101839006 Insulation resistance: MIT320 101837193	Details of circuits and/or installed equipment vulnerable to damage when testing
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Circuit Number	Ring final circuit continuity (Ω)				Continuity (Ω)		Insulation Resistance (MΩ)				Measured Zs (Ω)		RCD		Distribution Board Characteristics		Circuit Comments				
	R ₁ (line)	R _n (neutral)	R ₂ (cpc)	R ₁ + R ₂	R ₂	Live-Live	Live-Neutral	Live-Earth	Neutral-Earth	Test voltage	Polarity	@ 1kn	@ 51kn	(ms)	Test Button Operation	AFDD test button operation		Zs: Ω	Nominal Voltage: V	Polarity:	No. of phases:
1L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.35	N/A	N/A	N/A	N/A	0.16	400	✓	3	✓
1L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.31	16.7	8.0	✓	N/A	3.48				
1L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.17	N/A	N/A	N/A	N/A					
2L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.47	N/A	N/A	N/A	N/A					
2L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.78	N/A	N/A	N/A	N/A					
2L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.75	N/A	N/A	N/A	N/A					
3L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.84	N/A	N/A	N/A	N/A					
3L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	LIM	N/A	N/A	N/A	N/A					
3L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.36	35.4	18.7	✓	N/A					
4L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.24	N/A	N/A	N/A	N/A					
4L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	LIM	N/A	N/A	N/A	N/A					
4L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	LIM	N/A	N/A	N/A	N/A					
5L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.34	N/A	N/A	N/A	N/A					
5L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.20	N/A	N/A	N/A	N/A					
5L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.49	32.4	17.9	✓	N/A					
6L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.36	N/A	N/A	N/A	N/A					
6L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.79	N/A	N/A	N/A	N/A					
6L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	1.19	N/A	N/A	N/A	N/A					
7L1	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	1.04	N/A	N/A	N/A	N/A					
7L2	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.51	N/A	N/A	N/A	N/A					
7L3	N/A	N/A	N/A	LIM	-	N/A	LIM	17.4	17.4	250	✓	0.45	N/A	N/A	N/A	N/A					
8L1-L3	N/A	N/A	N/A	LIM	-	LIM	LIM	17.4	17.4	250	✓	0.20	N/A	N/A	N/A	N/A					

Reference Number:

EICR/120361-158

Circuit Details

DB Reference:

DB-B

DB Location:

Entrance Lobby

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Distribution Board Comments:

Supplied from:

DB-A 1L3

Overcurrent Device:

60898

C

RCD Operating Current:

N/A

mA

Board Manufacturer:

-

Device Rating:

50

A

RCD time delay:

N/A

ms

RCD Operating time at I_{Δn}

N/A

ms

Circuit Number	Circuit Description	Circuit Category	*Codes for Installation methods											Live csa (mm ²)	Cpc csa (mm ²)	Codes for type of wiring:	
			Number of points served	Disconnection Time (s)	Device BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	RCD Operating Current (mA)	Maximum Permitted Zs (Ω)	Type of Wiring	Installation Method*					
1L3	Door Entry Fused Connection Unit	Radial Circuit	1	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1			
2L3	Sockets - Entrance	Sockets (A2 A3)	2	0.4	3871	2	20	6	N/A	1.5607	A	B	2.5	1.5			H
3L3	Sockets - Corridor	Sockets (A2 A3)	3	0.4	3871	2	20	6	N/A	1.5607	A	B	2.5	1.5			G
4L3	Sockets - Reception Office	Ring Circuit	10	0.4	3871	2	30	6	N/A	1.0404	A	B	2.5	1.5			F
5L3	Sockets - Head's Office & Additional External Flood Light	Ring Circuit	3	0.4	3871	2	30	6	N/A	1.0404	A	B	2.5	1.5			E
6L3	Sockets - G34	Ring Circuit	7	0.4	3871	2	30	6	N/A	1.0404	A	B	2.5	1.5			D
																	C
																	B
																	A

Reference Number:

EICR/120361-158

Circuit Details

DB Reference:

DB-Siemens

DB Location:

Rear Entrance Lobby

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Distribution Board Comments:

Supplied from: DB-A - 8L123

Overcurrent Device: 60898 C

RCD Operating Current: N/A mA

Board Manufacturer: -

Device Rating: 63 A

RCD time delay: N/A ms

RCD Operating time at I_{Δn}: N/A ms

Circuit Number	Circuit Description	Circuit Category	*Codes for Installation methods											Live csa (mm ²)	Cpc csa (mm ²)	Codes for type of wiring:
			Number of points served	Disconnection Time (s)	Device BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	RCD Operating Current (mA)	Maximum Permitted Z _s (Ω)	Type of Wiring	Installation Method*				
1L1	Lights - End Class G18	Lighting Circuit	6	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1	A PVC/PVC Cables in metallic conduit B PVC Cables in metallic conduit C PVC Cables in non-metallic conduit D PVC Cables in metallic trunking E PVC Cables in non-metallic trunking F PVC/SWA Cables G XLPE/SWA Cables H Mineral Insulated cables	
1L2	Lights - Kitchen & Fan	Lighting Circuit	6	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
1L3	Lights - Disabled, Boys and Girls WCs	Lighting Circuit	14	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
2L1	Lights - Detention Room & Back Class Room	Lighting Circuit	2	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
2L2	Lights - Hall Row 2 & 4	Lighting Circuit	6	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
2L3	Lights - Rear Entrance Lobby and Central Lobby	Lighting Circuit	8	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
3L1	Lights - Rear WCs & Store Room	Lighting Circuit	8	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
3L2	Lights - 2x Quiet Areas & Fans	Lighting Circuit	15	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
4L1	Lights - Male & Female WCs	Lighting Circuit	9	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
4L2	Alarm Supply Fused Connection Unit	Radial Circuit	1	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
4L3	Lights - Hall Row 1 & 3	Lighting Circuit	7	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
5L1	Door Entry Fused Connection Unit	Radial Circuit	7	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1		
6L3	Sockets - Kitchen	Sockets (A2 A3)	5	0.4	60898	B	32	6	30	1.3656	A/H	B	6/2.5	2.5/m		
7L1	Sockets - Rear Classroom	Sockets (A2 A3)	18	0.4	60898	B	20	6	30	2.185	A	B	2.5	1.5		
7L3	Sockets - Central Lobby	Sockets (A2 A3)	3	0.4	60898	B	20	6	30	2.185	A	B	2.5	1.5		
8L1	Water Heater - Cleaners G20	Radial Circuit	1	0.4	60898	B	16	6	N/A	2.7312	A	B	4	1.5		
8L2	Sockets - Main Hall	Sockets (A2 A3)	2	0.4	60898	B	20	6	30	2.185	A	B	2.5	1.5		
8L3	Water Heater - Cleaners G26	Radial Circuit	1	0.4	60898	B	16	6	N/A	2.7312	A	B	2.5	1.5		
9L1	Sockets - Power Pole Back Class Room	Sockets (A2 A3)	6	0.4	60898	B	32	6	30	1.3656	H	B	6	2.5		
9L2	Kitchen - Steraliser Sink	Radial Circuit	1	0.4	60898	B	32	6	N/A	1.3656	A/H	B	4	micc		
10L2	Kitchen - Water Heater	Radial Circuit	1	0.4	60898	B	32	6	N/A	1.3656	G	B	4	swa		
10L3	Porta Cabin - Rear	Sub Main	1	0.4	60898	B	32	6	N/A	1.3656	F	C	2.5	2.5		

Reference Number:

EICR/120361-158

Test Results

DB Reference:

DB-Siemens

DB Location:

Rear Entrance Lobby

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Tested by: Name: SIMON LYNN Signature: Date: 07/08/2020	Test instrument serial numbers: Continuity: MIT320 101837193 RCD: RCDT320 10183710 Other: N/A	Earth electrode resistance: N/A Earth fault loop impedance: LTW425 101839006 Insulation resistance: MIT320 101837193	Details of circuits and/or installed equipment vulnerable to damage when testing
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Circuit Number	Ring final circuit continuity (Ω)				Continuity (Ω)		Insulation Resistance (MΩ)				Measured Zs (Ω)		RCD (ms)		Circuit Comments		
	R ₁ (line)	R _n (neutral)	R ₂ (cpc)	R ₁ + R ₂	R ₂	Live-Live	Live-Neutral	Live-Earth	Neutral-Earth	Test voltage	Polarity	@ 1kn	@ 51kn	Test Button Operation		AFDD test button operation	
1L1	N/A	N/A	N/A	LIM	-	N/A	LIM	717	717	250	✓	1.02	N/A	N/A	N/A	N/A	
1L2	N/A	N/A	N/A	LIM	-	N/A	LIM	548	548	250	✓	1.28	N/A	N/A	N/A	N/A	
1L3	N/A	N/A	N/A	LIM	-	N/A	LIM	11.24	11.24	250	✓	1.34	N/A	N/A	N/A	N/A	
2L1	N/A	N/A	N/A	LIM	-	N/A	LIM	464	464	250	✓	0.86	N/A	N/A	N/A	N/A	
2L2	N/A	N/A	N/A	LIM	-	N/A	LIM	584	584	250	✓	LIM	N/A	N/A	N/A	N/A	
2L3	N/A	N/A	N/A	LIM	-	N/A	LIM	169	169	250	✓	0.91	N/A	N/A	N/A	N/A	
3L1	N/A	N/A	N/A	LIM	-	N/A	LIM	>1000	>1000	250	✓	1.25	N/A	N/A	N/A	N/A	
3L2	N/A	N/A	N/A	LIM	-	N/A	LIM	2.09	2.09	250	✓	1.05	N/A	N/A	N/A	N/A	
4L1	N/A	N/A	N/A	LIM	-	N/A	LIM	244	244	250	✓	0.94	N/A	N/A	N/A	N/A	
4L2	N/A	N/A	N/A	LIM	-	N/A	LIM	>1000	>1000	250	✓	0.41	N/A	N/A	N/A	N/A	
4L3	N/A	N/A	N/A	LIM	-	N/A	LIM	118	118	250	✓	LIM	N/A	N/A	N/A	N/A	
5L1	N/A	N/A	N/A	LIM	-	N/A	LIM	>1000	>1000	250	✓	0.35	N/A	N/A	N/A	N/A	
6L3	N/A	N/A	N/A	LIM	-	N/A	LIM	10.9	10.9	250	✓	0.60	30.2	16.9	✓	N/A	
7L1	N/A	N/A	N/A	LIM	-	N/A	LIM	222	222	250	✓	1.16	30.2	27.2	✓	N/A	
7L3	N/A	N/A	N/A	LIM	-	N/A	LIM	28.6	28.6	250	✓	0.96	50.8	27.0	✓	N/A	
8L1	N/A	N/A	N/A	LIM	-	N/A	LIM	>1000	>1000	250	✓	0.52	N/A	N/A	N/A	N/A	
8L2	N/A	N/A	N/A	LIM	-	N/A	LIM	508	508	250	✓	1.58	30.5	17.2	N/A	N/A	7.58 Through Socket
8L3	N/A	N/A	N/A	LIM	-	N/A	LIM	>1000	>1000	250	✓	0.43	N/A	N/A	N/A	N/A	
9L1	N/A	N/A	N/A	LIM	-	N/A	LIM	5.97	5.97	250	✓	0.52	33.4	18.6	✓	N/A	
9L2	N/A	N/A	N/A	LIM	-	N/A	LIM	0.06	0.06	250	✓	0.45	N/A	N/A	N/A	N/A	
10L2	N/A	N/A	N/A	LIM	-	N/A	LIM	0.78	0.78	250	✓	0.45	N/A	N/A	N/A	N/A	
10L3	N/A	N/A	N/A	LIM	-	N/A	LIM	72.4	72.4	250	✓	0.46	N/A	N/A	N/A	N/A	

Distribution Board Characteristics

Zs: **0.20** Ω

Nominal Voltage: **400** V

Polarity:

|pf: **2.69** kA

No. of phases: **3**

Phase rotation:

Reference Number:

EICR/120361-158

Test Results

DB Reference:

DB-D

DB Location:

Group One Class Room

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Tested by: Name: SIMON LYNN		Test instrument serial numbers: Continuity: MIT320 101837193		Earth electrode resistance: N/A		Details of circuits and/or installed equipment vulnerable to damage when testing N/A	
Signature:		RCD: RCDT320 10183710		Earth fault loop impedance: LTW425 101839006			
Date: 07/08/2020		Other: N/A		Insulation resistance: MIT320 101837193			

Circuit Number	Ring final circuit continuity (Ω)				Continuity (Ω)		Insulation Resistance (MΩ)				Measured Zs (Ω)		RCD		Distribution Board Characteristics		Circuit Comments	
	R ₁ (line)	R _n (neutral)	R ₂ (cpc)	R ₁ + R ₂	R ₂	Live-Live	Live-Neutral	Live-Earth	Neutral-Earth	Test voltage	Polarity	@ 1kn	@ 51kn	Test Button Operation	AFDD test button operation	Zs: 0.34 Ω		Nominal Voltage: 230 V
1L1	N/A	N/A	N/A	LIM	-	N/A	LIM	197	197	250	✓	1.25	N/A	N/A	N/A	N/A		
2L1	N/A	N/A	N/A	LIM	-	N/A	LIM	197	197	250	✓	1.36	N/A	N/A	N/A	N/A		
3L1																		
4L1																		
5L1	0.51	0.51	0.84	LIM	-	N/A	LIM	197	197	250	✓	1.00	26.6	12.4	✓	N/A		
6L1	0.86	0.86	1.14	LIM	-	N/A	LIM	197	197	250	✓	0.90	26.6	12.4	✓	N/A		
7L1	N/A	N/A	N/A	LIM	-	N/A	LIM	197	197	250	✓	0.72	26.6	12.4	✓	N/A		
8L1	N/A	N/A	N/A	LIM	-	N/A	LIM	197	197	250	✓	0.75	26.6	12.4	✓	N/A		
9L1																		
10L1																		

Reference Number:

EICR/120361-158

Circuit Details

DB Reference:

DB-Store

DB Location:

IT Store Room

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Distribution Board Comments:

Supplied from: **DB-A**

Overcurrent Device: **60898 C**

RCD Operating Current: **N/A** mA

Board Manufacturer: **Hager**

Device Rating: **50** A RCD time delay: **N/A** ms

RCD Operating time at I_{Δn}: **N/A** ms

Circuit Number	Circuit Description	Circuit Category	*Codes for Installation methods										Type of Wiring		
			Number of points served	Disconnection Time (s)	Device BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	RCD Operating Current (mA)	Maximum Permitted Zs (Ω)	Installation Method*	Live csa (mm ²)		Cpc csa (mm ²)	
1L1	Gas Valve	Radial Circuit	1	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1	Codes for type of wiring: A PVC/PVC Cables B PVC Cables in metallic conduit C PVC Cables in non-metallic conduit D PVC Cables in metallic trunking E PVC Cables in non-metallic trunking F PVC/ISWA Cables G XLPE/ISWA Cables H Mineral Insulated cables
2L1	Under Sink Water Heater	Radial Circuit	1	0.4	60898	B	16	6	N/A	2.7312	A	B	2.5	1.5	
3L1	Sockets - Cookery & Server	Sockets (A2 A3)	7	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
4L1	Sockets - Bench & Television	Sockets (A2 A3)	3	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
5L1	Socket - Station 1	Sockets (A2 A3)	1	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
6L1	Socket - Station 2	Sockets (A2 A3)	1	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
7L1	Socket - Station 3	Sockets (A2 A3)	1	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
8L1	Socket - Station 4	Sockets (A2 A3)	1	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
9L1	Socket - Station 5	Sockets (A2 A3)	1	0.4	61009	B	20	6	30	2.185	A	B	4	1.5	
10L1	Lights - Cookery Store	Lighting Circuit	1	0.4	60898	B	6	6	N/A	7.2833	A	B	1.5	1	

Reference Number:

EICR/120361-158

Test Results

DB Reference:

DB-Store

DB Location:

IT Store Room

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Tested by: Name: SIMON LYNN Signature: Date: 07/08/2020		Test instrument serial numbers: Continuity: MIT320 101837193 RCD: RCDT320 10183710 Other: N/A		Earth electrode resistance: N/A Earth fault loop impedance: LTW425 101839006 Insulation resistance: MIT320 101837193		Details of circuits and/or installed equipment vulnerable to damage when testing	
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Circuit Number	Ring final circuit continuity (Ω)					Continuity (Ω)		Insulation Resistance (MΩ)					RCD		Distribution Board Characteristics		Circuit Comments
	R ₁ (line)	R _n (neutral)	R ₂ (cpc)	R ₁ + R ₂	R ₂	Live-Live	Live-Neutral	Live-Earth	Neutral-Earth	Test voltage	Polarity	Measured Z _s (Ω)	(ms)	Z _s : 0.24 Ω	Nominal Voltage: 230 V	Phase rotation: N/A	
													@ 1kn	@ 51kn	Test Button Operation	AFDD test button operation	
1L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.40	N/A	N/A	N/A	N/A	
2L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.39	N/A	N/A	N/A	N/A	
3L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	1.00	30.4	20.2	✓	N/A	
4L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.63	19.0	16.3	✓	N/A	
5L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.45	17.9	18.2	✓	N/A	
6L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.23	18.0	17.7	✓	N/A	
7L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.34	17.9	17.5	✓	N/A	
8L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.36	17.9	18.0	✓	N/A	
9L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.44	18	17.7	✓	N/A	
10L1	N/A	N/A	N/A	LIM	-	N/A	LIM	147	147	250	✓	0.39	N/A	N/A	N/A	N/A	

Reference Number:

EICR/120361-158

Circuit Details

DB Reference:

DB Porta-Cabin Green

DB Location:

LHS External

brook&Mayo

Lincoln : 01522 686851

Peterborough : 01733 563067

info@brookandmayo.co.uk



ORIGINAL

Distribution Board Comments:

Supplied from:

DB Porta-Cabin Side

Overcurrent Device:

60898 C

RCD Operating Current:

30 mA

Board Manufacturer:

-

Device Rating:

20 A

RCD time delay:

N/A ms

RCD Operating time at I_{Δn}

16.7 ms

Circuit Number	Circuit Description	Circuit Category	*Codes for Installation methods											Live csa (mm ²)	Cpc csa (mm ²)	Codes for type of wiring:
			Number of points served	Disconnection Time (s)	Device BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	RCD Operating Current (mA)	Maximum Permitted Zs (Ω)	Type of Wiring	Installation Method*				
1	Sockets	Sockets (A2 A3)	1	0.4	60898	B	16	6	30	2.7312	A	B	2.5	1.5	H	Mineral Insulated cables
2	Lights	Lighting Circuit	2	0.4	60898	B	6	6	30	7.2833	A	B	1.5	1	G	XLPE/SWA Cables
															F	PVC/SWA Cables
															E	PVC Cables
															D	PVC Cables
															C	PVC Cables
															B	PVC Cables in metallic in non-metallic conduit
															A	PVC/PVC Cables in metallic in non-metallic conduit

ELECTRICAL INSTALLATION CONDITION REPORT GUIDANCE FOR RECIPIENTS

This Report is an important and valuable document which should be retained for future reference.

The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section 4). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.

The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.

The "original" Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner /occupier with details of the condition of the electrical installation at the time the Report was issued.

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 quarterly. For safety reasons it is important that this instruction is followed.

Section 3 (Extent 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.

Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in section 3 - Extent and Limitations on page 1.

For items classified in the observations as C1 ("Danger present"), the safety of those using the installation is at risk, and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work immediately.

For items classified in the observations as C2 ("Potentially dangerous"), the safety of those using the installation may be at risk and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

Where it has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which may result in a Code 1 or Code 2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section 7 - Recommendations).

For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated on page 2 of the Report under 'Recommendations' and on a label at or near to the consumer unit / distribution board.