22 Bradford
Flat 3.

ELECTRICAL INSTALLATION CONDITION REPORT

(Requirements for Electrical Installations – BS 7671 IEE Wiring Regulations)

Name:	Campus Cribs
Address:	214 St. Georges Rd, Bolton, BL1 2PH

This report must be used only for reporting on the condition of an existing installation.

Annual Check **Date(s):** 09/06/18

Occupier:	
Address:	22 Bradford Avenue, Bolton, BL3 2PF

Description of Premises:	**Domestic**	√	**Commercial**		**Industrial**		**Other**		

Estimated age of the Electrical Installation:	30	**Years**	**Evidence of Alterations or Additions:**	Yes	**If "yes" estimated age:**	10	**Years**	

Date of previous Inspection:	18 04 2015	**Electrical Installation Certificate No: or previous Periodic Inspection report No:**	

Records of installation available.		**Records held by:**	

Extent of the Electrical installation covered by this report:

ALL SUPPLIES AND CONSUMER UNITS WITHIN PROPERTY

Agreed Limitations (including the reasons), if any, on the inspection and testing

Operational limitations including the reasons (see page No.)
This inspection has been carried out in accordance with BS 7671:2008, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof spaces and generally within the fabric of the building or under ground have not been inspected.

General condition of the installation (in terms of electrical safety):	
Installation is good	

If necessary, continue on additional page(s)? No		Yes		Specify page		

Overall assessment of the installation:	SATISFACTORY	(Delete as appropriate)

An "Unsatisfactory" assessment indicates that dangerous and/or potentially dangerous conditions have been identified.

Referring to the attached Schedules of Inspection and Test Results and subject to the limitations;					
There are no item adversely affecting electrical safety,	√	or	The following observations and recommendations for	N/A	are made

Item No		*Code	Investigation required?
1			

	Additional Pages? No		Yes		Specify page			

	*One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the 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 recommended".** **Please see the notes for recipient for guidance regarding the Classification codes.**	**Immediate remedial action required for items:**		

Urgent remedial action required for items:	
Further investigation required for items:	
Improvement recommended for items:	

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

I/We further declare that in my/our judgement, the said installation was overall in condition at the time of the inspection we carried out, and that it should be further inspected as recommended.

INSPECTION, TESTING AND ASSESSMENT BY:		**REPORT REVIEWED AND CONFIRMED BY:**	
Signature:	kmoore	**Signature:**	
Name : (CAPITALS)	K MOORE	**Name : (CAPITALS)**	
Position:	ELECTRICIAN		(Registered Qualified Supervisor for the approved contractor at J)
Date:	09/06/18	**Date:**	

Schedule of items inspected Page No. 4,5,6,7	**Additional pages, including additional source(s) data sheets: Page No(s):**		
Schedule of Circuit Details for the installation: Page No(s):	**8**	**Schedule of Test Results for the installation: Page No(s):**	

The pages identified here form an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

We recommend that this installation is further inspected and tested after an interval of not more than	5 Years	

Provided that any items which have been attributed a Recommendation Code C1 and C2 (require urgent attention) are remedied without delay and as soon as possible respectively. Items which have been attributed a Recommendation Code C3 should be actioned as soon as practicable (see F).

Trading Title:			
K.M Electrical Services			
Address:		Telephone number:	07850 221 036
Carnation Rd Bolton		Fax number:	
Registration number			
Postcode:	BL4 0DT	Branch number: (if applicable)	

			Tick boxes and enter details, as appropriate	
◊ System Type(s)	◊ Number and Type of Live Conductors	Nature of Supply Parameters	◊ Characteristics of Primary supply Overcurrent Protective Device(s)	

TN-S	
TN-C-S	√
TN-C	
TT	
IT	

AC	√	DC	
1-phase (2 wire)	√	1-phase (3 wire)	
2-phase (3 wire)		3-phase (3 wire)	
3-phase (4 wire)		2 pole	
3 pole		other	
Other (Please state)			

Nominal Voltage U (1)	240	V
Nominal frequency f (1)	50	Hz
Prospective fault current (2/3)	1.01	kA
External earth fault loop impedance Ze (3/4)	0.24	Ω
Number of supplies	1	1) by enquiry
NOTES:	(2) by enquiry or by measurement	

BS(EN)	BS88 FUSE HRC
Type	BS88 Fuse HRC - Type gG

Rated current	100	A
Short-circuit capacity	16.5	kA

(3) where more than one supply, the higher or highest values

(4) by measurement

						Tick boxes and enter details, as appropriate		
Means of earthing						Details Installation Earth Electrode (where applicable)		
Distributor's facility	√	Type: (eg rod(s), tape etc)	N/A	Location:		Maximum Demand:		kVA/ Amps
Installation earth electrode		Electrode resistance, RA:		Ω		Method of measurement:		Protective measures against electric
Shock:								

# Main Switch or Circuit Breaker						Earthing and Protective Bonding Conductors					
Type (BS(EN)	60947-2 MCCB	Voltage Rating	240	V	Earthing conductor	Conductor csa	16	mm^2			
No of Poles	2	Rated current I n	100	A	Conductor material	Copper	Continuity check	√	(√)		
Supply conductors: material	Copper		RCD operating current I⍰n			mA		Bonding of extraneous-conductive-parts (√)			
Gas service	√				Lighting						
Supply conductors: csa	25	mm^2	RCD operating time (at I⍰n)	30	ms	Water service	√	Structural steel			
Oil service					Other service(s)						

Item	Description	Outcome*		Location reference	
1.0 Condition/adequacy of distributor's supply intake equipment					
1.1	Service cable	PASS			
1.2	Service cut-out/ fuse(s)	PASS			
1.3	Meter tails - distributor	PASS			
1.4	Meter tails - consumer	PASS			
1.5	Metering equipment	PASS			
1.6	Means of main isolation (where present)	PASS			
2.0	Presence of adequate arrangements for parallel or switched alternative sources	N\A			
3.0	Automatic disconnection of supply	PASS			
3.1 Main earthing and bonding arrangements					
	* Presence and condition of distributor's earthing arrangement	PASS			
	* Presence and condition of earth electrode arrangement	N\A			
	* Adequacy of earthing conductor size	PASS			
	* Adequacy of earthing conductor connections	PASS			
	* Accessibility of earthing conductor connections	PASS			

	* Adequacy of main protective bonding conductor size(s)	PASS			
	* Adequacy of main protective bonding conductor connections	PASS			
	* Accessibility of main protective bonding connections	PASS			
	* Provision of earthing/bonding labels at all appropriate locations	PASS			
3.2 FELV					
	* Source providing at least simple separation	N\A			
	* Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N\A			
3.3 Reduced low voltage					
	* Adequacy of source	N\A			
	* Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N\A			
4.0 Other methods of protection (where the methods of protection listed below are employed, details should be provided on separate sheets)					
4.1	Double insulation	PASS			
4.2	Reinforced insulation	PASS			
4.3	Use of obstacles	PASS			
4.4	Placing out of reach	PASS			
4.5	Non-conducting location	PASS			
4.6	Earth-free local equipotential bonding	PASS			
4.7	Electrical separation for more than one item of equipment	PASS			
5. 0 Distribution equipment					
5.1	Adequacy of working space/ accessibility of equipment	PASS			
5.2	Security of fixing	PASS			
5.3	Condition of insulation of live parts	PASS			
5.4	Adequacy/ security of barriers	PASS			
5.5	Condition of enclosure(s) in terms of IP rating	PASS			

5.6	**Condition of enclosure(s) in terms of fire rating**	**PASS**			
5.7	**Enclosure not damaged/ deteriorated so as to impair safety**	**PASS**			
5.8	**Presence of main switch(es), linked where required**	**PASS**			
5.9	**Operation of main switch(es) (functional check)**	**PASS**			
5.10	**Correct identification of circuit protective devices**	**PASS**			
5.11	Adequacy of protective devices for prospective fault current	**PASS**			
5.12	RCD(s) provided for fault protection – includes RCBOs	**PASS**			
5.13	**RCD(s) provided for additional protection – includes RCBOs**	**N\A**			
5.14	RCD(s) provided for protection against fire – includes RCBOs	**PASS**			
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection	**PASS**			
5.16	Presence of RCD retest notice at or near equipment where required	**PASS**			
5.17	**Presence of diagrams, charts or schedules at or near equipment where required**	**N\A**			
5.18	**Presence of non-standard (mixed) cable colour warning notice at or near equipment where required**	**PASS**			
5.19	**Presence of alternative supply arrangement warning notice(s) at or near equipment where required**	**N\A**			
5.20	**Presence of replacement next inspection recommendation label**	**PASS**			
5.21	**Presence of other required labelling (specify)**	**PASS**			
5.22	**Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)**	**PASS**			
5.23	**Protection against mechanical damage where cables enter equipment**	**PASS**			

5.24	Protection against electromagnetic effects where cables enter metallic enclosures	PASS			
6.0 Distribution/final circuits					
6.1	Identification of conductors	PASS			
6.2	Cables correctly supported throughout their length	PASS			
6.3	Condition of insulation of live parts	PASS			
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking	PASS			
6.5	Suitability of containment systems for continued use (including flexible conduit)	PASS			
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)	PASS			
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/ deterioration	PASS			
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	PASS			
6.9	Adequacy of protective devices; type and rated current for fault protection	PASS			
6.10	Presence and adequacy of circuit protective conductors	PASS			
6.11	Co-ordination between conductors and overload protective devices	PASS			
6.12	Cable installation methods/ practices appropriate to the type and nature of installation and external influences	PASS			
6.13	Cables where exposed to direct sunlight, of a suitable type	PASS			
6.14	Concealed cables installed in prescribed zones (see extent and limitations)	PASS			

6.15	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system,or otherwise protected against mechanical damage caused by nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations)	PASS			
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions	PASS			
6.17	Provision of additional protection by 30 mA RCD	PASS			
	* Where reasonably likely to be used to supply mobile equipment for use outdoors	N\A			
	* For all socket-outlets of rating 20 A or less provided for use by ordinary persons	PASS			
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	PASS			
6.19	Band II cables segregated/ separated from Band I cables	N\A			
6.20	Cables segregated/ separated from non-electrical services	PASS			
6.21	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D)	PASS			
	* Connections under no undue strain	PASS			
	No basic insulation of a conductor visible outside an enclosure	PASS			
	Connections of live conductors adequately enclosed	PASS			
	Adequacy of connection at point of entry to enclosure (gland, bush or similar)	PASS			
6.22	General condition of wiring systems	PASS			
6.23	Temperature rating of cable insulation	PASS			
6.24	Condition of accessories including socket-outlets, switches and joint boxes	PASS			

6.25	Suitability of accessories for external influences	PASS			
7.0 Isolation and switching	PASS				
7.1 Isolations	PASS				
	* presence and condition of appropriate devices	PASS			
	* acceptable location	PASS			
	* capable of being secured in the OFF position	PASS			
	* correct operation verified	PASS			
	* clearly identified by position and/or durable marking(s)	PASS			
	* Warning label posted in situations where live parts cannot be isolated by the operation of a single device	N\A			
7.2 Switching off for mechanical maintenance					
	* presence and condition of appropriate devices	PASS			
	* acceptable location	PASS			
	* capable of being secured in the OFF position	PASS			
	* correct operation verified	PASS			
	* clearly identified by position and/or durable marking(s)	PASS			
7.3 Emergency switching/stopping					
	* presence and condition of appropriate devices	PASS			
	* readily accessible for operation where danger might occur	PASS			
	* correct operation verified	PASS			
	* clearly identified by position and/or durable marking(s)	PASS			
7.4 Functional switching					
	* presence and condition of appropriate devices	PASS			
	* correct operation verified	PASS			
8.0 Current-using equipment (permanently connected)					
8.1	Condition of equipment in terms of IP rating	PASS			

8.2	Equipment does not constitute a fire hazard	PASS			
8.3	Enclosure not damaged/ deteriorated so as to impair safety	PASS			
8.4	Suitability for the environment and external influences	PASS			
8.5	Security of fixing	PASS			
8.6	Cable entry holes in ceiling above luminaries, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section D of report)	N\A			
8.7 Recessed luminaires (e.g. downlighters)					
	* correct type of lamps fitted	N\A			
	* installed to minimise build-up of heat by use of "fire rated" fittings,insulation displacement box or similar	N\A			
	* no signs of overheating to surrounding building fabric	N\A			
	* no signs of overheating to conductors/ terminations	N\A			
9.0 Location(s) containing a bath or shower					
9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA	PASS			
9.2	Where used as a protective measure, requirements for SELV or PELV are met	PASS			
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	PASS			
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	PASS			
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	PASS			
9.6	Suitability of equipment for external influences for installed location in terms of IP rating	PASS			
9.7	Suitability of equipment for installation in a particular zone	PASS			

9.8	**Suitability of current-using equipment for a particular position within the location**	**PASS**			
10.0 Other Special installations or locations					
	List special locations present, if any. List the results of particular inspections applied.– a separate page is required for each location				

**** All Boxes must be completed***	**Unacceptable condition** state **C1** or **C2**		**Outcome**		
√	Indicates **Acceptable condition**	**Improvement recommended** state **C3**		Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.	
LIM	indicates a **limitation**	**Further investigation required** state **F/I** (to determine whether danger or potential (danger exists)			
N/A	indicates **Not applicable**				

	√	External earth loop impedance, Ze		√	Basic protection against direct contact by barrier or enclosure provided during erection
	N/A	Installation earth electrode resistance, Ra		N/A	Insulation of non-conducting floors or walls
	√	Continuity of protective conductors		√	Polarity
	√	Continuity of ring circuit conductors		√	Earth fault loop impedance Zs

	N/A	Insulation resistance between live conductors		N/A	Verification of phase sequence
	√	Insulation resistance between live conductors and earth		√	Operation of residual current devices
	N/A	Protection by separation of circuits		√	Functional testing of assemblies
		N/A		Verification of voltage drop	

	Earth fault loop impedance		6111-771\07070 7\1117	
	Insulation resistance		6111-771\07070 7\1117	
	Continuity		6111-771\07070 7\1117	
	RCD		6111-771\07070 7\1117	
	Other		N/A	
	Other		N/A	

NOTES FOR RECIPIENT

THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

This Electrical Installation Condition Report form is intended for the reporting on the condition of an existing electrical installation.

You should have received an original Certificate and the contractor should have retained a duplicate. If you were the person ordering this report, but not the owner of the installation, you should pass this Report, or a full copy of it, immediately to the user.

The original Report is to be retained in a safe place and be 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 owner with the details of the condition of the electrical installation at the time the Report was issued.

The 'Extent and Limitations' box should fully identify the extent of the installation covered by this Report and any limitations on the inspection and tests. The contractor should have agreed these aspects with you and any interested parties (Licensing Authority, Insurance Company, Building Society etc) before the inspection was carried out.

The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. **For items classified as 'requires urgent attention', the safety of those using the**

installation may be at risk, and it is recommended that a competent person undertake the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under "Next Inspection."

DB ref.:	FLAT 3	**Z_s at this board (Ω):**		**I_{pf} at this board (KA):**	1.02	**Main switch type BSEN reference:**	5419 Isolator	**Rating:**	63 **Amps**	**Supply conductors:**	6 **mm 2**	**Earth:**	4 **mm 2**		
Distribution board location:	INSIDE FLAT	**Supplied from:**	Mains	**No. Of phases:**	Single	**Supply protective device type: BSEN reference:**	BS88 Fuse HRC - Type gG	**Rating:**	100 **Amps**						

A Ring circuits / All circuits (R1+R2)	Circuit Reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors: Live (mm2)	Circuit conductors: cpc (mm2)	Max. Disconnection time permitted (s)	Overcurrent devices: Type BS EN	Overcurrent devices: Short circuit capacity (kA) / RCD: Rating (A) / IΔn (mA)	Maximum permitted Zs Ω	Circuit impedances Ω	Insulation resistance: Live/Live MΩ / Live/Earth MΩ	Polarity	Maximum Measured Zs Ω	RCD: At IΔn ms	RCD: At 5x IΔn ms

A	inSwitch																								
1	COOKER	A	B	1	6	2.5	0.4	60898TypeB	32	1	30	1.4	N\A	N\A	N\A	0.21	N\A	N\A	>299	>299	>299	√	0.46	18.1	18.1
2	SOCKETS	A	B	7	2.5	1.5	0.4	60898TypeB	32	6	30	1.42	0.59	0.61	0.35	0.21	N\A	N\A	>299	>299	>299	√	0.43	18.2	18
3	HOTWATER	A	B	1	2.5	1.5	0.4	60898TypeB	16	1	30	1.46	N\A	N\A	N\A	0.32	N\A	N\A	>299	>299	>299	√	0.61	18	18
4	LIGHTS	A	B	4	1.5	1.0	0.4	60898TypeB	16	6	30	2.87	N\A	N\A	N\A	0.33	N\A	N\A	>299	>299	>299	√	0.67	18.1	18.2

A	B	C	D	E	F	G	H	O (other please state)
PVC/PVC CABLES	PVC CABLES IN METALLIC CONDUIT	PVC CABLES IN NON-METALIC CONDUIT	PVC CABLES IN METALIC TRUNKING	PVC CABLES IN NON-METALIC TRUNKING	PVC/SWA CABLES	XLPE/ SWA CABLES	MINERAL - INSULATED CABLES	