

ELECTRICAL INSTALLATION CONDITION REPORT

Business Details

Register No.	jk515813c
Operative	Derek Harvey
Company	Connect Electrical
Address	103 Drummore Road Glasgow
Postcode	G157LH
Tel No.	07388 892622
Email	dhconnectelectrical@gmail.com

Job Address

Name	
Address	80 Old Luss Road Helensburgh
Postcode	
Tel No.	
Email	

Client/Landlord's Details

Name	Ferguson Contracts Property Ltd
Company	Ferguson Contracts Property Ltd
Address	Strathleven House Vale Of Leven Industrial Estate Dumbarton
Postcode	G823PD
Tel No.	
Email	am@ferguson-contracts.com

1 DETAILS OF THE INSTALLATION

Description of premises: Domestic Commercial Industrial Other:

Estimated age of electrical installation: years Evidence of alteration or additions: if yes, estimated age: years

Date of previous inspection:

Record of installation available: Electrical Installation Certificate No or previous Periodic Inspection Report No:

2 EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

100% of the installation.

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

No Lifting of floor boards or inspection of loft space.

The inspection has been carried out in accordance with BS 7671:2018, as amended. 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.

3 DECLARATION

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 on page 1 (see section 2), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see section 7) and the attached schedules (see section 17), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing (see section 4).

I further declare that in my judgement the condition of the said installation is:

Visually not unsatisfactory, or Unsatisfactory, significant damage, deterioration and/or defects being evident

Name: Position: Signature: Date:

4 SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 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*:

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

6 RECOMMENDATIONS

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 identifies as '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:

All fine

7 NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

5 Years or change of tenant/owner (Enter interval in terms of years, months or weeks, as appropriate)

provided that any item in section 7 which have been attributes a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see section 7).

8 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing Arrangements	Number and Type of Live Conductors	Nature of Supply Parameters	Supply Protective Device	
TN-S	ac: <input type="checkbox"/> Yes 1-phase (2 wire): <input type="checkbox"/> Yes 2-phase (3 wire): <input type="checkbox"/> N/A 3-phase (3 wire): <input type="checkbox"/> N/A 3-phase (4 wire): <input type="checkbox"/> N/A Other: <input type="checkbox"/> N/A	dc: <input type="checkbox"/> N/A 2 pole: <input type="checkbox"/> Yes 3 pole: <input type="checkbox"/> N/A Other: <input type="checkbox"/> N/A	Nominal U: <input type="checkbox"/> V Uo: <input type="checkbox"/> V voltage(s): Nominal frequency, f: <input type="checkbox"/> 50 Hz Prospective fault current, I _{pd} : <input type="checkbox"/> 0.13 kA External earth fault loop impedance, Z _e : <input type="checkbox"/> N/A Ω Number of supplies: <input type="checkbox"/> 1	BS(EN): <input type="checkbox"/> BS EN 60947-2 Type: <input type="checkbox"/> B Rated current: <input type="checkbox"/> 100 A Short-circuit capacity: <input type="checkbox"/> 6 kA
Confirmation of supply polarity: <input type="checkbox"/> Yes				

9 PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing	Details of Installation Earth Electrode (where applicable)		
Distributor's facility: <input type="checkbox"/> Yes	Type: <input type="checkbox"/>	Location: <input type="checkbox"/>	
Installation earth electrode: <input type="checkbox"/> N/A	Resistance to Earth: <input type="checkbox"/> Ω	Method of measurement: <input type="checkbox"/>	
Maximum Demand (Load): <input type="checkbox"/>	Protective measure(s) against electric shock: <input type="checkbox"/>		
Main Switch/Switch-Fuse/Circuit-Breaker/RCD	If RCD main switch		
Type BS (EN): <input type="checkbox"/> B	Current rating: <input type="checkbox"/> 100 A	Supply conductors material: <input type="checkbox"/> Copper	Rated residual operating current (I _n): <input type="checkbox"/> 63 mA
Number of poles: <input type="checkbox"/> 2	Fuse/device rating or setting: <input type="checkbox"/> N/A A	Supply conductors csa: <input type="checkbox"/> 25 mm ²	Rated time delay: <input type="checkbox"/> 30 ms
	Voltage rating: <input type="checkbox"/> 230V		Measured operating time (I _n): <input type="checkbox"/> N/A ms
Earthing and Protective Bonding Conductors	Bonding of extraneous-conductive parts		
Earthing conductor			
Conductor Material: <input type="checkbox"/> Copper csa: <input type="checkbox"/> 16 mm ²	Connection/continuity verified: <input type="checkbox"/> Yes	To water installation pipes: <input type="checkbox"/> Yes	To gas installation pipes: <input type="checkbox"/> Yes
		To oil installation pipes: <input type="checkbox"/> N/A	To lightning protection: <input type="checkbox"/> N/A
Main protective bonding conductors		To structural steel: <input type="checkbox"/> N/A	To other service(s): <input type="checkbox"/> N/A
Conductor material: <input type="checkbox"/> Copper csa: <input type="checkbox"/> 10 mm ²	Connection/continuity verified: <input type="checkbox"/> Yes		

10 INSPECTION SCHEDULE

Item	Description	Comment	Outcome											
1.0 CONDITION/ADEQUACY OF DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT														
1.1	Service cable		PASS											
1.2	Service head		PASS											
1.3	Distributor's earthing arrangements		PASS											
1.4	Meter tails - Distributor/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														
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)		PASS											
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)		PASS											
3.0 AUTOMATIC DISCONNECTION OF SUPPLY														
3.1	Main earthing/bonding arrangements (411.3; Chap 54)													
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1); 542.1.2.2)		PASS											
3.1.2	Presence of installation earth electrode arrangement (542.1.2.3)		N/A											
3.1.3	Adequacy of earthing conductor size (542.3; 543.1.1)		PASS											
3.1.4	Adequacy of earthing conductor connections (542.3.2)		PASS											
3.1.5	Accessibility of earthing conductor connections (543.3.2)		PASS											
3.1.6	Adequacy of main protective bonding conductor sizes (544.1)		PASS											
3.1.7	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)		PASS											
3.1.8	Accessibility of all protective bonding connections (543.3.2)		PASS											
3.1.9	Provision of earthing/bonding labels at all appropriate locations (514.13)		PASS											
3.2	FELV - requirements satisfied (411.7; 411.7.1)		PASS											
4.0 OTHER METHODS OF PROTECTION (where the methods of protection listed below are employed, details should be provided on separate sheets)														
4.1	Non-conducting location (418.1)		N/A											
4.2	Earth-free local equipotential bonding (418.2)		N/A											
4.3	Electrical separation (Section 413; 418.3)		PASS											
4.4	Double insulation (Section 412)		PASS											
4.5	Reinforced insulation (Section 412)		PASS											
5.0 DISTRIBUTION EQUIPMENT														
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)		PASS											
5.2	Security of fixing (134.1.1)		PASS											
5.3	Condition of insulation of live parts (416.1)		PASS											
5.4	Adequacy/security of barriers (416.2)		PASS											
5.5	Condition of enclose(s) in terms of IP rating etc (416.2)		PASS											
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5))		PASS											
OUTCOMES	Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

11 INSPECTION SCHEDULE

Item	Description	Comment	Outcome
5.7	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))		PASS
5.8	Presence and effectiveness of obstacles (417.2)		PASS
5.9	Presence of main switch(es), linked where required (537.1.2; 537.1.4)		PASS
5.10	Operation of main switch(es) (functional check) (612.13.2)		PASS
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13..2)		PASS
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (612.13.1)		PASS
5.13	RCD(s) provide for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)		PASS
5.14	RCD(s) provided for additional protection, where required - includes RCBOs (411.3.3; 415.1)		PASS
5.15	Presence of RCD six-monthly text notice at or near equipment, where required (514.12.2)		PASS
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)		PASS
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)		PASS
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)		PASS
5.19	Presence of next inspection recommendation label (514.12.1)		PASS
5.20	Presence of other required labelling (please specify) (Section 514)		PASS
5.21	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4, .5, .6; Sections 432, 433)		PASS
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2)		PASS
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)		PASS
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)		PASS
6.0 DISTRIBUTION CIRCUITS/FINAL CIRCUITS			
6.1	Identification of conductors (514.3.1)		PASS
6.2	Cables correctly supported throughout their run (522.8.5)		PASS
6.3	Condition of insulation of live parts (416.1)		PASS
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		PASS
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		
6.6	Cables correctly terminated in enclosures (Section 526)		
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (5261)		PASS
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)		PASS
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		PASS
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)		PASS
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		PASS
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)		N/A
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)		PASS
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)		PASS

OUTCOMES	Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
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12 INSPECTION SCHEDULE

Item	Description	Comment	Outcome											
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts:		PASS											
6.15.1	Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) or		PASS											
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D, Extent and limitations) (522.6.204;)		N/A											
6.16	Provision of additional protection by 30 mA RCD													
6.16.1	For circuit used to supply mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)		N/A											
6.16.2	For all socket-outlets of rating 20 A or less unless exempt (411.3.3)		N/A											
6.16.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202, .203)		PASS											
6.16.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)		PASS											
6.17	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		PASS											
6.18	Band II cables segregated/separated from Band I cables (528.1)		N/A											
6.19	Cables segregated/separated from non-electrical services (528.3)		PASS											
6.20	Termination of cables at enclosures - identify/record numbers and locations of items inspected (Section 526)													
6.20.1	Connections under no undue strain (526.60)		PASS											
6.20.2	No basic insulation of a conductor visible outside enclosure (526.8)		PASS											
6.20.3	Connections of live conductors adequately enclosed (526.5)		PASS											
6.20.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)													
6.21	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))		PASS											
6.22	Suitability of circuit accessories for external influences (512.2)		PASS											
6.23	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2)		PASS											
6.24	Adequacy of connections, including cpc's, within accessories and to fixed and stationary equipment - identify/record numbers and locations of items inspected (Section 526)		PASS											
6.25	Presence, operation and correct location of appropriate devices for isolation and switching (537.2)		PASS											
6.26	General condition of wiring systems (621.2(ii))		PASS											
6.27	Temperature rating of cable insulation (522.1.1; Table 52.1)		PASS											
7.0 ISOLATION AND SWITCHING														
7.1	Isolator (537.2)													
7.1.1	Presence and condition of appropriate devices (537.2.2)		PASS											
7.1.2	Acceptable location - state if local or remote from equipment in question (537.2.1.5)		PASS											
7.1.3	Capable of being secured in the OFF position (537.2.1.2)		PASS											
7.1.4	Correct operation verified (612.13.2)		PASS											
7.1.5	Clearly identified by position and/or durable marking (537.2.2.6)		PASS											
7.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.2.1.3)		PASS											
7.2	Switching off for mechanical maintenance (537.3)													
7.2.1	Presence and condition of appropriate devices (537.3.1.1)		PASS											
7.2.2	Acceptable location - state if local or remote from equipment in question (537.3.2.4)		PASS											
OUTCOMES	Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

13 INSPECTION SCHEDULE

Item	Description	Comment	Outcome
7.2.3	Capable of being secured in the OFF position (537.3.2.3)		PASS
7.2.4	Correct operation verified (612.13.2)	N/A	PASS
7.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	N/A	PASS
7.3	Emergency switching/stopping (537.4)		
7.3.1	Presence and condition of appropriate devices (537.4.1.1)		PASS
7.3.2	Readily accessible for operation where danger might occur (537.4.2.5)		PASS
7.3.3	Correct operation verified (537.4.2.6)		PASS
7.3.4	Clearly identified by position and/or durable marking (537.4.2.7)		PASS
7.4	Functional switching (537.5)		
7.4.1	Presence and condition of appropriate devices (537.5.1.1)		PASS
7.4.2	Correct operation verified (537.5.1.3; 537.5.2.2)		PASS
8.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)			
8.1	Condition of equipment in terms of IP rating etc (416.2)		PASS
8.2	Equipment does not constitute a fire hazard (Section 421)		PASS
8.3	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))		PASS
8.4	Suitability for the environment and external influences (512.2)		PASS
8.5	Security of fixing (134.1.1)		PASS
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section 4 of report)		PASS
8.7	Recessed luminaires (e.g. downlighters)		
8.7.1	Correct type of lamps fitted		PASS
8.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)		PASS
8.7.3	No signs of overheating to surrounding building fabric (559.4.1)		PASS
8.7.4	No signs of overheating to conductors/terminations (526.1)		PASS
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 (701.411.3.3)		PASS
9.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)		PASS
9.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)		N/A
9.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)		PASS
9.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)		PASS
9.6	Suitability of equipment for external influences for installed location in terms of IP rating (70.512.2)		PASS
9.7	Suitability of accessories and controlgear etc. for a position zone (701.512.3)		PASS
9.8	Suitability of current-using equipment for particular position within the location (701.55)		N/A
10.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separately the results of particular inspections applied.)			
10.1			PASS
10.2		PASS	

OUTCOMES	Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
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