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331755 **DPN18**

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Small installations up to 100 A single phase supply

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

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 033365 Branch No: N/A
Trading Title: COFFERWOODS ELECTRICAL LTD
Address: 39 Blincoe Road, Bismorthole
York
Postcode: YO32 2AL Tel No: 07764 251058

DETAILS OF THE CLIENT

Contractor Reference Number (CRN):
Name: Nicola Lyon
Address: 24 The Village,
Wiginton York
Postcode: YO32 2PJ Tel No: 07119 293773

DETAILS OF THE INSTALLATION

Occupier: TENANTS
Address: 80 CLASSHAMS
YORK
Postcode: YO10 5GF Tel No: N/A

PART 2 : PURPOSE OF THE REPORT

Purpose for which this report is required: **REPORT DATE WAS ONE**

Date(s) when inspection and testing was carried out: **8TH AUGUST 2022**

Records available: ☒

Previous inspection report available: ☒

Previous report date: **07/02/17**

PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

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

THE INSTALLATION IS IN A GOOD CONDITION.

Estimated age of electrical installation: **25** years

Evidence of additions or alterations: ☒

Overall assessment of the installation is: **Satisfactory/Unsatisfactory* (delete as appropriate)**

PART 4 : DECLARATION

INSPECTION AND TESTING

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

Name (capital): **STAVE VOLKART**

Signature:

Date: **8 AUGUST 2022**

REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): **STEPHEN COOPER**

Signature:

Date: **13TH AUGUST 2022**

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



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PART 7: DETAILS AND LIMITATIONS ON THE INSPECTION AND TESTING

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

Details of the installation covered by this report: **THIS REPORT COVERS THE FULL TEST OF THE PROPERTY** (see additional page NoN14)

Agreed limitations including the reasons, if any, on the inspection and testing: **NONE**

Agreed with (print name): **N/A**

(see additional page NoN14)
(see additional page NoN14)

Extent of sampling (inspection only): **100% TEST 50% ACCESSORIES INSPECTED**

Operational limitations including the reasons:

PART 8: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements		Number and type of live conductors		Nature of supply parameters	
TN-C-S: (N/A)	TN-S: (✓)	AC	1-phase, 2-wire: (✓)	Nominal line voltage to Earth, U_0 :	(230)V (1) By enquiry, measurement, or by calculation
Other (state):	N/A	Other (state):	N/A	Nominal frequency, f :	(50.) Hz
Supply protective device		Confirmation of supply polarity:		Prospective fault current, I_{pf} (MVA):	(2.7) kA
BS (EN):	N/A	Other sources of supply (as detailed on attached schedule)		External loop impedance, Z_e (MVA):	(0.12) Ω
Type: (N/A)		Rated current: (N/A) A		Page No: (N/A)	

PART 9: PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing		Main protective conductors		Main protective bonding connections		Main switch / Switch-fuse / Circuit-breaker / RCD	
Distributor's facility:	(✓)	Earthing conductor:		Water installation pipes:	(✓) 10.04	Type: (BS EN) (60947-3)	
Installation earth electrode:	(N/A)	(material) CORRED	CSA 16mm ²	Gas installation pipes:	(N/A)	Location: (D81, WATON UNITS)	
Where an earth electrode is used insert		Connection / continuity verified:	(✓)	Structural steel:	(N/A)	No. of poles: (2)	
Type - (rod(s), tape, etc.):	(N/A)	Main protective bonding conductors:		Oil installation pipes:	(N/A)	Current rating: (100) A	
Location: (N/A)		(material) CORRED	CSA 6mm ²	Lightning protection:		Where an RCD is used as the main switch	
Electrode resistance to Earth: (N/A) Ω		Connection / continuity verified:	(✓)	Other (state):	(N/A)	RCD rated residual operating current, $I_{\Delta n}$:	
						Measured operating time: (N/A) ms	
						Rated time delay:	(N/A) ms

Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf} , and external earth fault loop impedance, Z_e , must be recorded.

All fields must be completed. Enter either, as appropriate, '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a limitation exists; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 8, with additional comments (where appropriate) on attached numbered sheets)

Page 3 of 6

DPN18

Original (to the person ordering the work)

PART 10 : SCHEDULE OF ITEMS INSPECTED

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT
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1. External condition of intake equipment (visual inspection only) (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)		4. Consumer unit(s) / Distribution board(s)	
1.1 Service cable:	(✓)	4.1 Adequacy of working space / accessibility to consumer unit / distribution board:	(✓)
1.2 Service head:	(✓)	4.2 Security of fixing:	(✓)
1.3 Earthing arrangement:	(✓)	4.3 Condition of enclosure(s) in terms of IP rating:	(✓)
1.4 Meter tails:	(✓)	4.4 Condition of enclosure(s) in terms of fire rating:	(✓)
a) Cutout fuse to meter	(✓)	4.5 Enclosure not damaged / deteriorated so as to impair safety:	(✓)
b) Meter to consumer unit	(✓)	4.6 Presence of linked main switch:	(✓)
1.5 Metering equipment:	(✓)	4.7 Operation of main switch(es) (functional check):	(✓)
1.6 Isolator (where present):	(N/A)	4.8 Main switch capable of being secured in the OFF position:	(✓)
2. Presence of adequate arrangements for other sources	(✓)	4.9 Operation of circuit-breakers and RCDs to prove disconnection (functional check):	(✓)
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply:	(N/A)	4.10 Correct identification of circuits and protective devices:	(✓)
2.2 Adequate arrangements where generating set operates in parallel with the public supply:	(N/A)	4.11 Presence of appropriate circuit charts, warning and other notices:	(✓)
2.3 Presence of alternative / additional supply warning notices:	(N/A)	a) Provision of circuit charts/schedules or equivalent forms of information	(✓)
3. Earthing and bonding arrangements	(✓)	b) Warning notice of method of isolation where live parts not capable of being isolated by a single device	(N/A)
3.1 Presence and condition of distributor's earthing arrangement	(✓)	c) Periodic inspection and testing notice	(✓)
3.2 Presence and condition of earth electrode connection, where appropriate:	(✓)	d) Presence of RCD six-monthly notice, where required	(✓)
3.3 Confirmation of adequate earthing conductor size:	(N/A)	e) Warning notice of non-standard (mixed) colours of conductors present	(✓)
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET):	(✓)	f) All other required labelling provided	(✓)
3.5 Confirmation of adequate main protective bonding conductor sizes:	(✓)	4.12 Compatibility of protective device(s), base(s) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating):	(✓)
3.6 Accessibility and condition of main protective bonding conductor connections:	(✓)	4.13 Single-pole switching or protective devices in the line conductors only:	(✓)
3.7 Accessibility and condition of other protective bonding connections:	(✓)	4.14 Protection against mechanical damage where cables enter consumer unit / distribution board:	(✓)
3.8 Provision of earthing and bonding labels at all appropriate locations:	(✓)		
		4.15 Protection against electromagnetic effects where cables enter metallic consumer unit / enclosure:	(✓)
		4.16 RCDs provided for fault protection – includes RCBOs:	(N/A)
		4.17 RCDs provided for additional protection – includes RCBOs:	(✓)
		4.18 Confirmation of indication that SPD is functional:	(✓)
		4.19 Adequacy of AFDD(s), where specified:	(✓)
		4.20 Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure:	(✓)
		5. Distribution / final circuits	(✓)
		5.1 Identification of conductors:	(✓)
		5.2 Cables correctly supported throughout:	(✓)
		5.3 Condition of insulation of live parts:	(✓)
		5.4 Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems):	(N/A)
		5.5 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation:	(✓)
		5.6 Adequacy of protective devices; type and rated current for fault protection:	(✓)
		5.7 Presence and adequacy of circuit protective conductors:	(✓)
		5.8 Co-ordination between conductors and overload protection devices:	(✓)
		5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences:	(✓)
		5.10 Cables adequately protected against mechanical damage and abrasion:	(✓)
		5.11 Provision of additional protection by 30 mA RCD (see Note):	(✓)
		a) For all socket-outlets with a rated current not exceeding 32 A:	(✓)
		b) For mobile equipment not exceeding a rating of 32 A for use outdoors:	(✓)
		c) For cables concealed in walls / partitions at a depth of less than 50 mm:	(✓)

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

This report is based on the model forms shown in Appendix 6 of BS 7671
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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)



PART 10 : SCHEDULE OF ITEMS INSPECTED

- d) For cables concealed in walls / partitions containing metal parts regardless of depth (✓)
- e) For all AC final circuits supplying luminaires (✓)

Note: Older installations designed prior to BS 7671: 2018 may not have been provided with RCDs for additional protection.

- 5.12 Provision of fire barriers, sealing arrangements and protection against thermal effects: (✓)
- 5.13 Band II cables segregated / separated from Band I cables: (✓)
- 5.14 Cables segregated / separated from communications cabling: (✓)
- 5.15 Cables segregated / separated from non-electrical services: (✓)
- 5.16 Termination of cables at enclosures (extent of sampling indicated in PART 7 of the report): (✓)

- a) Connections soundly made and under no undue strain (✓)
- b) No basic insulation of a conductor visible outside enclosure (✓)
- c) Connection of live conductors adequately enclosed (✓)
- d) Adequately connected at point of entry to enclosure (✓)
- 5.17 Condition of accessories including socket-outlets, switches and joint boxes is satisfactory: (✓)

6. Isolation and switching (isolation, switching off for mechanical maintenance and functional switching)
- 6.1 In general: (✓)
- a) Presence and condition of appropriate devices (✓)
- b) Correct operation verified (✓)
- 6.2 For isolation and switching for mechanical maintenance only: (✓)
- a) Capable of being secured in the OFF position, where appropriate (✓)

- b) Acceptable location (local / remote) (✓)
- c) Clearly identified by position and / or durable marking(s) (✓)
- 6.3 For isolation only: (✓)
- a) Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device (N/A)

7. Current-using equipment (permanently connected)
- 7.1 Condition of equipment in terms of IP rating: (✓)
- 7.2 Equipment does not constitute a fire hazard: (✓)
- 7.3 Enclosure not damaged / deteriorated so as to impair safety: (✓)
- 7.4 Suitability for the environment and external influences: (✓)
- 7.5 Security of fixing: (✓)
- 7.6 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 on a separate page: (N/A)
- 7.7 Recessed luminaires (downlighters): (✓)
- a) Correct type of lamps fitted (✓)
- b) Installed to minimise build-up of heat (✓)
- c) No signs of overheating to surrounding building fabric (✓)
- d) No signs of overheating to conductors / terminations (✓)
8. Location(s) containing a bath or shower
- 8.1 Additional protection by RCD not exceeding 30 mA: (✓)
- a) For low voltage circuits serving the location (✓)
- b) For low voltage circuits passing through Zone 1 and Zone 2 not serving the location (✓)

- 8.2 Where used as a protective measure, requirements for SELV or FELV are met: (✓)
- 8.3 Shaver sockets comply with BS EN 61558-2-5 (formerly BS 5535): (N/A)
- 8.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2018: (N/A)
- 8.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3m from Zone 1: (✓)
- 8.6 Suitability of equipment for external influences for installed location in terms of IP rating: (✓)
- 8.7 Suitability of equipment for installation in a particular zone: (✓)
9. Other Part 7 special installations or locations
- List of all other special installations or locations, if any, present: (N/A)

SCHEDULE OF ITEMS INSPECTED BY

Name (capital): JANE WICKETT

Signature: [Signature] Date: 6/8/22

PART 11 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations (indicated in item 9, above)	Continuation sheets
Page No(s): (4, 8, 5)	Page No(s): (6)	Page No(s): (N/A)	Page No(s): (N/A)	Page No(s): (N/A)

The pages identified are an essential part of this report (see Regulation 653.2)

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

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PART 12: SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing **LEO FINTINDS / LEANS / SMOKE ALARMS**

Circuit number		Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I_{nA} (mA)	Maximum permitted Z_s for installed protective device** (Ω)	Circuit impedances (Ω)				Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z_e (Ω)	RCD operating time (ms)	Test buttons			
Live (mm ²)	CPC (mm ²)					BS (EN)	Type		Rating (A)	Short-circuit capacity (kA)	r_1 (Line)			r_n (Neutral)	r_2 (CPC)	(r_1+r_2)	R_1	R_2	Live / Live (MΩ)	Live / Earth (MΩ)				Test DC voltage (V)	RCD	APFD	
1		SHOWER	A	101	1	1.0	4	4	60818	B	40	6	30	1.07	N/A	N/A	N/A	1.16	N/A	2299	2299	500	✓	28	34	✓	N/A
2		WATER HEATER	A	101	23	2.5	15	4	60818	B	32	6	30	1.37	88	90	143	67	N/A	414	1280	250	✓	39	34	✓	N/A
3		WATER HEATER (WET)	A	101	1	2.5	15	4	60818	B	16	6	30	2.73	N/A	N/A	N/A	5.6	N/A	2299	2299	500	✓	68	34	✓	N/A
4		WATER HEATER (WET)	A	101	18	1.0	1.0	4	60818	B	6	6	30	7.28	N/A	N/A	N/A	1.36	N/A	414	201.1	250	✓	148	34	✓	N/A
5		SPACE	A	101	1	6	2.5	4	60818	B	32	6	30	1.37	N/A	N/A	N/A	1.16	N/A	2299	2299	500	✓	28	34	✓	N/A
6		COOKER	A	101	1	2.5	15	4	60818	B	32	6	30	1.37	N/A	N/A	N/A	1.16	N/A	2299	2299	500	✓	28	34	✓	N/A
7		WATER HEATER (WET)	A	101	1	2.5	15	4	60818	B	32	6	30	1.37	N/A	N/A	N/A	1.16	N/A	2299	2299	500	✓	28	34	✓	N/A
8		WATER HEATER (WET)	A	101	1	2.5	15	4	60818	B	32	6	30	1.37	N/A	N/A	N/A	1.16	N/A	2299	2299	500	✓	28	34	✓	N/A
9		WATER HEATER (WET)	A	101	1	2.5	15	4	60818	B	32	6	30	1.37	N/A	N/A	N/A	1.16	N/A	2299	2299	500	✓	28	34	✓	N/A
10		SPACE	A	101	23	1.0	1.0	4	60818	B	6	6	30	7.28	N/A	N/A	N/A	1.36	N/A	414	201.1	250	✓	148	34	✓	N/A

Location of consumer unit: **KITCHEN UNIT (LOW LEVEL)** Designation: **DB1**

TESTED BY: **JANE MORANT** Position: **ELECTRICIAN** Signature: **J. Morant**

Prospective fault current at consumer unit (where applicable): **2.7 kA**

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: **0706070458** Continuity: **N/A**

Insulation resistance: **N/A**

Earth fault loop impedance: **N/A**

Earth electrode resistance: **N/A**

RCD: **N/A**

Date: **8/8/22**

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Page 6 of 6

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