

ELECTRICAL INSTALLATION CONDITION REPORT

SECTION A. DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT	
Name <u>MR J MORRIS</u>	
Address <u>15 WINDSOR ROAD, SWINDON</u> <u>SN3 1JP</u>	
SECTION B. REASON FOR PRODUCING THIS REPORT <u>NO CURRENT DETAILS HELD, NO INSPECTION STICKER VISIBLE</u>	
Date(s) on which inspection and testing was carried out <u>29/09/2016</u>	
SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT	
Occupier <u>COMMUNAL INSTALLATION</u>	
Address <u>THE GRANGE</u> <u>SN25 2EE</u>	
Description of premises Domestic <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other (include brief description) <input type="checkbox"/>	
Estimated age of wiring system <u>10</u> years	
Evidence of additions / alterations Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not apparent <input type="checkbox"/> If yes, estimate age years	
Installation records available? (Regulation 621.1) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date of last inspection (date)	
SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING	
Extent of the electrical installation covered by this report <u>COMMUNAL AREA ONLY. REMOVAL OF SOME ACCESSORIES AND FULL DEAD TESTING OF CIRCUITS AS NO PREVIOUS RECORDS 25% SAMPLE, NO ISSUES SO NO FURTHER REMOVAL.</u>	
Agreed limitations including the reasons (see Regulation 634.2) <u>N/A</u>	
Agreed with: <u>N/A</u>	
Operational limitations including the reasons (see page no.) <u>NONE</u>	
The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations) as amended to <u>2015</u>	
It should be noted that 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.	
SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION	
General condition of the installation (in terms of electrical safety) <u>THE INSTALLATION PRE-DATES THE CURRENT REGULATIONS SO THERE ARE SOME DEVIATIONS BUT IT IS IN GENERALLY EXCELLENT CONDITION</u>	
Overall assessment of the installation in terms of its suitability for continued use SATISFACTORY / UNSATISFACTORY * (Delete as appropriate)	
*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.	
SECTION F. RECOMMENDATIONS	
Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I / we recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Further investigation required' (code F1). Observations classified as 'Improvement recommended' (code C3) should be given due consideration.	
Subject to the necessary remedial action being taken, I / we recommend that the installation is further inspected and tested by <u>30/09/2016</u> (date)	
SECTION G. 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 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 the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.	
Inspected and tested by:	Report authorised for issue by:
Name (Capitals) <u>WARREN HOY</u>	Name (Capitals) <u>WARREN HOY</u>
Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
For/on behalf of <u>ALATE LTD</u>	For/on behalf of <u>ALATE LTD</u>
Position <u>DIRECTOR</u>	Position <u>DIRECTOR</u>
Address <u>8 LODGE ROAD, KNOWLE, B93 0HE</u>	Address <u>8 LODGE ROAD, KNOWLE, B93 0HE</u>
Date <u>29/09/2016</u>	Date <u>29/09/2016</u>
SECTION H. SCHEDULE(S)	
..... <u>1</u> schedule(s) of inspection and <u>1</u> schedule(s) of test results are attached.	
The attached schedule(s) are part of this document and this report is valid only when they are attached to it.	

CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

NOTE: This form is suitable for many types of smaller installation, not exclusively domestic.

OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION										OUTCOME <small>(Use codes above. Provide additional comment where appropriate. C1, C2, C3 and FI coded items to be recorded in Section K of the Condition Report)</small>			
1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT													
1.1	Condition of service cable										✓			
1.2	Condition of service head										✓			
1.3	Condition of distributor's earthing arrangement										✓			
1.4	Condition of meter tails - Distributor/Consumer										✓			
1.5	Condition of metering equipment										✓			
1.6	Condition of isolator (where present)										N/A			
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)										N/A			
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)													
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)										✓			
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)										N/A			
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)										✓			
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)										✓			
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)										✓			
3.6	Confirmation of main protective bonding conductor sizes (544.1)										N/A			
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)										N/A			
3.8	Accessibility and condition of other protective bonding connections (543.3.2)										N/A			
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)													
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)										✓			
4.2	Security of fixing (134.1.1)										✓			
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)										✓			
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)										C3			
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))										✓			
4.6	Presence of main linked switch (as required by 537.1.4)										✓			
4.7	Operation of main switch (functional check) (612.13.2)										✓			
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)										✓			
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)										✓			
4.10	Presence of RCD quarterly test notice at or near consumer unit/distribution board (514.12.2)										✓			
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)										N/A			
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)										N/A			
4.13	Presence of other required labelling (please specify) (Section 514)										N/A			
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)										✓			
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)										✓			
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (522.8.1; 522.8.11)										✓			
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)										✓			
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)										✓			
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)										C3			
4.20	Confirmation of indication that SPD is functional (534.2.8)										N/A			
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)										✓			
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)										N/A			
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)										N/A			

OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION											OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2, C3 and FI coded items to be recorded in Section K of the Condition Report)		
5.0	FINAL CIRCUITS													
5.1	Identification of conductors (514.3.1)												✓	
5.2	Cables correctly supported throughout their run (522.8.5)												✓	
5.3	Condition of insulation of live parts (416.1)												✓	
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)												N/A	
	● To include the integrity of conduit and trunking systems (metallic and plastic)												N/A	
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation (Section 523)												✓	
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)												✓	
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)												✓	
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)												✓	
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)												✓	
5.10	Concealed cables installed in prescribed zones (see Section D. <i>Extent and limitations</i>) (522.6.202)												LIM	
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. <i>Extent and limitations</i>) (522.6.204;)												LIM	
5.12	Provision of additional protection by RCD not exceeding 30 mA:													
	● for all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3)												✓	
	● for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)												N/A	
	● for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)												LIM	
	● for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)												LIM	
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)												✓	
5.14	Band II cables segregated / separated from Band I cables (528.1)												N/A	
5.15	Cables segregated / separated from communications cabling (528.2)												N/A	
5.16	Cables segregated / separated from non-electrical services (528.3)												N/A	
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)													
	● Connections soundly made and under no undue strain (526.6)												✓	
	● No basic insulation of a conductor visible outside enclosure (526.6)												✓	
	● Connections of live conductors adequately enclosed (526.5)												✓	
	● Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.6.5)												✓	
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))												✓	
5.19	Suitability of accessories for external influences (512.2)												✓	
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)												✓	
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.2)												✓	
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER													
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)												N/A	
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)												N/A	
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)												N/A	
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)												N/A	
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)												N/A	
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)												N/A	
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)												N/A	
6.8	Suitability of current-using equipment for particular position within the location (701.55)												N/A	
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS													
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)												N/A	

Inspected by:

Name (Capitals) WARREN HOY

Signature Warren Hoy

Date 29/09/2016

GENERIC SCHEDULE OF TEST RESULTS

DB reference no <u>C.U.1</u> Location <u>GROUND FLOOR ELECTRICAL CONTROL</u> Zs at DB (Ω) <u>0.10</u> Ipr at DB (kA) <u>2.41</u> Correct supply polarity confirmed <input checked="" type="checkbox"/> Phase sequence confirmed (where appropriate) <input type="checkbox"/>	Details of circuits and/or installed equipment vulnerable to damage when testing <u>EMERGENCY LIGHTING</u> <u>SMOKE DETECTORS</u>	Details of test instruments used (state serial and/or asset numbers) Continuity Insulation resistance <u>KEW TECH</u> Earth fault loop impedance <u>KEW 63 338</u> RCD Earth electrode resistance <u>N/A</u>
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Circuit number	Circuit Description	Circuit details						Test results										Remarks (continue on a separate sheet if necessary)				
		Overcurrent device			Conductor details			Ring final circuit continuity (Ω)		Continuity (Ω) (R1 + R2) or R2		Insulation Resistance (MΩ)		Polarity	Zs (Ω)	RCD (ms)						
		BS (EN)	type	rating (A)	breaking capacity (kA)	Reference Method	Live (mm²)	cpc (mm²)	R1 (line)	R2 (neutral)	R2 (cpc)	Live - Live	Live - Earth			Insert ✓ or X	@ 1m		@ 51m	Test button operation		
1	LIGHTING	60898	B	6	6	C	1.5	1	N/A	N/A	0.4	N/A	N/A	172	✓	0.5	N/A	N/A	N/A			
2	DOOR ENTRY	60898	B	6	6	C	1	1	N/A	N/A	0.04	N/A	N/A	172	✓	0.14	N/A	N/A	N/A			
3	SMOKE DETECTORS	60898	B	6	6	C	1.5	1	N/A	N/A	1.0	N/A	N/A	172	✓	1.0	N/A	N/A	N/A			
4	SPARE																					
5	SPARE																					
6	LIGHTING TIMER																					
7	RCD	61008																				
8	RCD	61008																				
9	SOCKETS	60898	B	16	6	C	2.5	1.5	N/A	N/A	0.11	N/A	>2100	>2100	✓	0.21	29.2	14.8	✓		2x RADIAL, NOT RFC	
10	TV SOCKET	60898	B	16	6	C	2.5	1.5	N/A	N/A	0.09	N/A	>2100	>2100	✓	0.19	29.2	14.8	✓			
11	SPARE																					
12	SPARE																					
13	SPARE																					
14	SPARE																					

**CONDITION REPORT
GUIDANCE FOR RECIPIENTS
(to be appended to the Report)**

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

- 1 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 E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
- 2 The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.
- 3 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.
- 4 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.**
- 5 Section D (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.
- 6 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 D.
- 7 For items classified in Section K 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.
- 8 For items classified in Section K 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.
- 9 Where it has been stated in Section K that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, 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 F).
- 10 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 in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit/distribution board.

**CONDITION REPORT INSPECTION SCHEDULE
GUIDANCE FOR THE INSPECTOR**

- 1 Section 1.0. Where inadequacies in the distributor's equipment are encountered the inspector should advise the person ordering the work to inform the appropriate authority.
- 2 Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection. The absence of such protection should as a minimum be given a code C3 classification (item 5.12).
- 3 The schedule is not exhaustive.
- 4 Numbers in brackets are Regulation references to specified requirements.