

ELECTRICAL INSTALLATION CONDITION REPORT



Certificate number: 16/13/2905 Member number: 105592 (optional) Sheet 1 of 8

SECTION A: DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Name MR. M. FOSTER Address 7 GARBUTT LANE
SWAINBY NORTHALLERTON NORTH YORKSHIRE DL6 3EN

SECTION B: REASON FOR PRODUCING THIS REPORT

INSURANCE
Date(s) on which inspection and testing was carried out 1st - 21st JUNE & 19th JULY 2016

SECTION C: DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier SWAINBY VILLAGE HALL
Address 30 HIGH STREET SWAINBY NORTHALLERTON NORTH YORKSHIRE DL6 3EG
Description of premises (tick as appropriate)
Domestic Commercial Industrial Other (include brief description) VILLAGE HALL
Estimated age of wiring system 20 years
Evidence of additions / alterations Yes No Not apparent If yes, estimate age 2/3 years
Installation records available? (Regulation 621.1) Yes No Date of last inspection (date)

SECTION D: EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of electrical installation covered by this report FULL INSPECTION & TEST EXCLUDING LIMITATIONS
ITEM 5-17 ON EACH SCHEDULE OF TEST RESULTS
Agreed limitations including the reasons (see Regulation 634.2) NO LIVE TESTS TO D.B.3 off Peak supply
NO TESTS TO LIGHTS 1st FLOOR - ACCESS - SCAFFOLDS REQUIRED ITEMS 5-13 -> 5-16
Agreed with: MR. M. FOSTER
Operational limitations including the reasons (see page no.)
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 2015

*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 inspection.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety) SATISFACTORY
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 classed 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'. Observations classified as 'Improvements 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 JUNE 2017 (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:

Name (CAPITALS): JOHN ADDISON
Signature: [Signature]
For/on behalf of: ADDISON ELECTRICS LTD
Position: DIRECTOR
Address: 65-67 BELMANGATE GUISBOROUGH
CLEVELAND TS14 7BB Date: 20th JULY 2016

Report authorised for issue by:

Name (CAPITALS): JOHN ADDISON
Signature: [Signature]
For/on behalf of: ADDISON ELECTRICS LTD
Position: DIRECTOR
Address: 65-67 BELMANGATE GUISBOROUGH
CLEVELAND TS14 7BB Date: 20th JULY 2016

SECTION H: SCHEDULE(S)

2 schedule(s) of inspection and 4 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.

ELECTRICAL INSTALLATION CONDITION REPORT



SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and type of live conductors		Nature and type of supply parameters		Supply protective device		
TN-C	<input type="checkbox"/>	a.c.	<input checked="" type="checkbox"/>	d.c.	<input type="checkbox"/>	Nominal voltage, U / U ₀ ⁽¹⁾ <u>243</u> V	BS (EN) <u>(36)</u>
TN-S	<input checked="" type="checkbox"/>	1-phase, 2-wire	<input type="checkbox"/>	2-wire	<input type="checkbox"/>	Nominal frequency, f ⁽¹⁾ <u>50</u> Hz	Type <u>T' b</u>
TN-C-S	<input type="checkbox"/>	2-phase, 3-wire	<input type="checkbox"/>	3-wire	<input type="checkbox"/>	Prospective fault current, I _{pf} ⁽²⁾ kA	Rated current <u>100</u> A
TT	<input type="checkbox"/>	3-phase, 3-wire	<input type="checkbox"/>		<input type="checkbox"/>	External loop impedance, Z _e ⁽²⁾ Ω	
IT	<input type="checkbox"/>	3-phase, 4-wire	<input checked="" type="checkbox"/>		<input type="checkbox"/>	Note: (1) by enquiry, (2) by enquiry or measurement	
		Confirmation of supply polarity		<input type="checkbox"/>			

Other sources of supply (as detailed on attached schedule)

SECTION J: PARTICULARS OF INSTALLATION REFERRED TO IN REPORT

Means of earthing	Details of Earth Electrode (where applicable)	
Distributor's facility	<input checked="" type="checkbox"/>	Type.....
Installation earth electrode	<input type="checkbox"/>	Location.....
	<input type="checkbox"/>	Resistance to earth..... Ω

Main protective conductors

Earthing conductor Material STEEL Csa mm² Connection/continuity verified

Main protective bonding conductors Material COPPER Csa 10 mm² Connection/continuity verified

To incoming water service To incoming gas service To incoming oil service To structural steel

To lightning protection To other incoming service(s) Specify.....

Main switch / switch fuse / circuit breaker / RCD *SEE EACH SCHEDULE OF TEST RESULTS DB1, DB2, DB3, DB4*

Location..... Current rating A If RCD main switch

..... Fuse / device rating or setting A Rated residual operating current (I_{Δn}).....mA

BS (EN) Voltage rating V Rated time delay.....ms

No. of poles Measured operating time (at I_{Δn}).....ms

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified in the *Extent and Limitations of Inspection and testing section*

No remedial action is required The following observations are made: (See below)

Observation(s)	Classification code	Further investigation required (YES/NO)
DB1, CIRCUITS 1 & 2 LIGHTS INTERLINKED WITH DB4.	C3	YES.
DB1 CIRCUITS 4 & 6 NOT TRACED	C3	YES.
DB4 CIRCUIT 3 POTENTIAL OVERLOAD	C3	YES.
3-4 MAIN EARTH LINKED BETWEEN DB1 & DB2. + SIZE.	C3	YES.
1-4 SIZE OF TAILS TO DB3	C3	YES.
5-12 100mA TRIPS TO DB1 & DB2	C3	YES.
DB1 CIRCUIT 7 INCORRECT MCB	C3	YES.
NOTE: DB1 & DB4 SAME PHASE		
DB2 INDEPENDANT PHASE		
DB3 INDEPENDANT PHASE		

One of the following codes, as appropriate, has been allocated to each of the observations made to indicate to the person(s) responsible for the installation the degree of urgency for remedial action required.

- C1 - Danger present. Risk of injury. Immediate remedial action required
- C2 - Potentially dangerous. Urgent remedial action required
- C3 - Improvement recommended

Use additional form if required

CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 3x



100 A SUPPLY: 3 PHASE FEEDING 4 CONSUMER UNITS *At UIC*

Sheet 3 of 8

NOTE: This form is suitable for many types of smaller installations not exclusively domestic

OUTCOMES	Acceptable condition ✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not verified	NV	Limitation	Lim	Not applicable	N/A
Item no	Description					Outcome <small>(Use codes above, provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded in Section K of the Condition Report)</small>		Further investigation required? <small>(YES / NO)</small>			
1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT										
1.1	Service cable condition							✓			
1.2	Condition of service head							✓			
1.3	Condition of DBS - distributor <i>EARTHING ARRANGEMENT</i>							✓			
1.4	Condition of tails - consumer <i>/ DISTRIBUTOR</i>					C3	✓				<i>CONSUMER TAILS REQUIRE ATTENTION.</i>
1.5	Condition of metering equipment							✓			
1.6	Condition of isolator (where present)							N/A.			
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR SECONDARY OR ALTERNATIVE 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 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)							C3			
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)							✓			
3.6	Confirmation of main protective bonding conductor sizes (544.1)							✓			
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)							✓			
3.8	Accessibility and condition of all protective bonding connections (543.3.2)							✓			
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 (526.5)							✓			
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)							C3			<i>CIRCUITS NOT TRACED.</i>
4.10	Presence of RCD quarterly test notice present 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)							✓			
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 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 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)							✓			

OUTCOMES	Acceptable condition	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not verified	NV	Limitation	Lim	Not applicable	N/A
Item no	Description					Outcome <small>(Use codes above, provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded in Section X of the Condition Report)</small>			Further investigation required? <small>(YES / NO)</small>		
5.0	FINAL CIRCUITS										
5.1	Identification of conductors (514.3.1)								✓		
5.2	Cables correctly supported throughout their run (522.8.5)								LIM		
5.3	Condition of insulation of live parts (416.1)								✓		
5.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1)								✓		
	• To include the integrity of conduit and trunking systems (metallic and plastic)								✓		
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)								✓		
5.6	Co-ordination 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; Section 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: Extent and limitations) (522.6.101)								LIM		
5.11	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see Section D: Extent and limitations) (522.6.101; 522.6.103)								LIM		
5.12	Provision of additional protection by RCD not exceeding 30 mA:										
	• For all socket-outlets of rating 20 A or less provided for use by ordinary persons unless an exception is permitted (411.3.3)										
	• For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)										
	• For cables concealed in walls or partitions (522.6.102; 522.6.103)										
									C3		DB1 < DB2 HAVE 100mA TRIP.
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)								LIM		
5.14	Band II cables segregated / separated from Band I cables (528.1)								LIM		
5.15	Cables segregated / separated from communications cabling (528.2)								LIM		
5.16	Cables segregated / separated from non-electrical services (528.3)								LIM		
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 (526.8)								✓		
	• Connections of live conductors adequately enclosed (526.5)								✓		
	• Adequately connected at point of entry to enclosure (glands, bushes, etc.) (522.8.5)								✓		
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)								✓		
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER								N/A		
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 volts) 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 equipment for installation in a particular zone (701.512.3)								N/A		
6.8	Suitability of current-using equipment for a particular position within the location (701.55)								N/A		
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS								N/A		
7.1	List all other special installations or locations present, if any (record separately the results of particular inspections applied).										

Tested by:

Name (CAPITALS) JOHN ADDISON

Signature [Signature]

Date 20th July 2016

SCHEDULE OF TEST RESULTS

Used as primary sheet

Used as continuation sheet

Sheet **5** of **8**



MAIN SWITCH: BS6100 80A100mA PCA 2P 240V, TAILS COPPER 16mm EARTH COPPER, ~~240V~~

DB Reference no. D.B.1	Details of circuits and/or installed equipment vulnerable to damage when testing FA SYSTEM EMERGENCY LIGHTS	Details of test instruments used (state serial and/or asset numbers)
Location SWITCH ROOM IN ROOM 2		Continuity ROBIN 4446930
Zs at DB (Ω) 0.2		Insulation resistance ROBIN 4446930
I _{pn} at DB (kA) 1060 Am		Earth fault loop impedance ROBIN 3.70093
Correct polarity of supply confirmed YES NO		RCD METROTEST 429977
Phase sequence confirmed (where appropriate)	100% of ITEMS TESTED 5:17	Earth electrode resistance

Tested by:
 Name (CAPITALS) **JOHN ADDISON**
 Signature *[Signature]* Date **20 July 2016**

Test results

Circuit details									Test results															
Circuit number	Circuit description	Overcurrent device				Conductor details			Ring final circuit continuity (Ω)			Continuity (Ω) (R ₁ + R ₂) or R _s		Insulation resistance (MΩ)		Polarity	Z _s (Ω)	RCD (ms)		Remarks (continue on a separate sheet if necessary)				
		BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Reference method	Live (mm ²)	cpc (mm ²)	r ₁ (line)	r ₂ (neutral)	r _s (cpc)	(R ₁ + R ₂) [*]	R _s	Live - Live	Live - E			✓	Ω		@1 _n	@5 _n	Test button operation	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V			
1		60995/2	2	6	6																} LIGHTS INTERLINKED VIA DB4	} FURTHER INVESTIGATION LINKED VIA CONDUCTOR TO D.B.4. NOT FOUND.		
2		60998/2	2	6	6																			
3		60998/2	2	6	6																			
4	WATER HEATER - 60998/2 NOT FOUND		2	16	6		2.5	1.5																
5	WATER HEATER LADIES	60998/2	2	16	6		2.5	1.5				0.23				>200	✓	0.43	44	18	✓			
6		60998/2	2	32	6																	NOT FOUND SHALL B RADIAL HAVE 2 AMPS		
7	SOCKETS	60998/2	2	32	6		2.5	1.5				0.34				>200	✓	0.44						
8	SOCKETS ROOM 2 + RE FIB	60998/2	2	32	6		2.5	1.5	0.19	0.19	0.32	0.54			>200	>200	✓	0.42						
9	DATA SOCKETS POST OFFICE	60998/2	B	16	6		2.5	1.5				0.31				>200	✓	0.51						
10	WALL SOCKETS POST OFFICE	60998/2	B	16	10		2.5	1.5				0.43				>200	✓	0.62						

* Where there are no spurs connected to a ring final circuit this value is also the (R₁ + R₂) of the circuit.

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS - CONTINUATION PAGE CERT N° 16/13/2805

MAIN SWITCH SUB-MAIN (WHERE APPLICABLE)
 BS 61008 90AICCUA RCD 2P/2L 240V.
WIRING TYPE COPPER **SIZE** 16 mm² **PROTECTION** 30Amps
EARTH.

DISTRIBUTION BOARD
 REF: D.B.2 LOCATION *SwiTH Room Room 2.*
 Zs *0.2* Ohms PROSPECTIVE FAULT CURRENT *1039 A*

INSTALLED CIRCUIT DETAILS										TEST RESULTS									
CIRCUIT		No. OF POINTS	OVERCURRENT DEVICE SHORT-CIRCUIT CAPACITY: 6 kA		DISC TIME	CONDUCTORS			CONTINUITY				INSULATION RESISTANCE		POLARITY	EARTH FAULT LOOP IMPEDANCE Zs Ω	RCD TRIP TIME AT 1 In Ω	OTHER FUNCTION TESTS	REMARKS
			TYPE	RATING AMPS		INSTALLED REF METHOD	LIVE mm ²	CPC mm ²	R _s + R _c or R _e value Ω	L-L Ω	N-N Ω	CPC-CPC Ω	L-L MΩ	L-E MΩ					
REF	DESCRIPTION					E*	F	G	H	J	K	L	M	N	P	R	S	T	V
1	LIGHTS UP		60878/2	6	0.4													✓	Lim
2	LIGHTS UP		60878/2	6	0.4													✓	Lim.
3	SOCKETS UP		60878/2	32	0.4				0.34	0.24	0.24	0.44	>200	>200	✓	0.44	} 21	✓	
4	SOCKETS UP + EM LIGHT		60878/2	32	0.4				0.29	0.31	0.31	0.51	>200	>200	✓	0.46		✓	
5	SOCKETS UP		60878/2	32	0.4				0.37	0.24	0.26	0.44	>200	>200	✓	0.38		✓	

COMMENTS ON INSTALLATION: 100% of ITEMS TESTED 5.17.
 SCAFFOLD REQUIRED FOR LIGHTING TESTS.
 EM LIGHT ABOVE HALL MAIN DOOR FED FROM CIRCUIT 4 VIA FUSED SPUR.
 * Denotes optional information only

TEST INSTRUMENTS USED			
INSTRUMENT	TYPE	SERIAL No.	ACCURACY VERIFIED
Continuity / Insulation	ROBIN	4146930	29 th OCTOBER 2015
Loop / IP	ROBIN	317 0093	29 th OCTOBER 2015
RCD	METRO TEST	429977	29 th OCTOBER 2015

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS - CONTINUATION PAGE CERT N^o 16/13/2805

MAIN SWITCH: SUB MAIN (WHERE APPLICABLE)
 MEM EXCEL 50A, 500V
 TRAIL TYPE COPPER SIZEmm² PROTECTION 80 Amps

DISTRIBUTION BOARD
 REF: DB3 LOCATION SWITCH ROOM IN ROOM 2.
 Zs Ohms PROSPECTIVE FAULT CURRENT KA

INSTALLED CIRCUIT DETAILS										TEST RESULTS									
CIRCUIT REF	DESCRIPTION	No. OF POINTS	OVERCURRENT DEVICE SHORT-CIRCUIT CAPACITY.....KA		DISC TIME	CONDUCTORS			R ₁ + R ₂ or R _s value Ω	CONTINUITY			INSULATION RESISTANCE		POLARITY	EARTH FAULT LOOP IMPEDANCE Z _s Ω	RCD TRIP TIME AT I _{Δn} ms	OTHER FUNCTION TESTS	REMARKS
			TYPE	RATING AMPS		INSTALLED REF METHOD	LIVE mm ²	CPC mm ²		L-L Ω	N-N Ω	CPC-CPC Ω	L-L MΩ	L-E MΩ					
A	B	W*	C	D	E*	F	G	H	J	K	L	M	N	P	R	S	T	V	
1	HEATER Room 1		3036	15	5	2.5	1.5	0.89	—	—	—	—	>200	✓					
2	HEATER MAIN HALL MAIN DOOR		3036	15	5	2.5	1.5	0.36	—	—	—	—	>200	✓					
3	HEATER MAIN HALL NEAR KM SWITCH		3036	15	5	2.5	1.5	0.08	—	—	—	—	>200	✓					
4	HEATER MAIN HALL OFF KM SWITCH		3036	20	5	2.5	1.5	0.26	—	—	—	—	>250	✓					
5	HEATER MAIN HALL WINDOW OPP MAIN DOOR		3036	20	5	2.5	1.5	0.25	—	—	—	—	>200	✓					
6	HEATER ROOM 2 NEAR METER CABINET		3036	15	5	2.5	1.5	0.09	—	—	—	—	>200	✓					
7	HEATER ROOM 2		3036	15	5	2.5	1.5	0.23	—	—	—	—	>200	✓					
8	HEATER FOOT OF MAIN STAIRS		60948/B	16	5	2.5	1.5	0.4	—	—	—	—	>200	✓					

COMMENTS ON INSTALLATION: NO LIVE TESTS CARRIED OUT; OFF PEAK SYSTEM.
 CONNECTIONS RE MADE WHERE EVIDENCE OF OVERHEATING CABLES/BOX FOUND.
 2x 20A DOUBLE POLE SWITCHES REPLACED ORIGINAL ONES CRACKED
 BS3036 FUSES 2KA
 60948 MCB 3KA
 * Denotes optional information only 100% of ITEMS TESTED 5.17

TEST INSTRUMENTS USED			
INSTRUMENT	TYPE	SERIAL No.	ACCURACY VERIFIED
INSULATION / CONTINUITY	ROBIN	4146930	24 th OCTOBER 2015

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS - CONTINUATION PAGE CERT N^o 16/13/2805

MAIN SUPPLY SUB MAIN (WHERE APPLICABLE)

BS61008 63A 30mA RCD 2Pole 240V.

TYPE COPPER SIZE 25 (mm²) PROTECTIONAmps
 EARTH COPPER 16 (mm²)

DISTRIBUTION BOARD

REF: DB 4 LOCATION SWITCH ROOM In Room 2
 Zs 0.19 Ohms PROSPECTIVE FAULT CURRENT 1094A ✕

INSTALLED CIRCUIT DETAILS

TEST RESULTS

CIRCUIT		No. OF POINTS	OVERCURRENT DEVICE SHORT-CIRCUIT CAPACITY.....kA		DISC TIME	CONDUCTORS			CONTINUITY				INSULATION RESISTANCE		POLARITY	EARTH FAULT LOOP IMPEDANCE Zs Ω	RCD TRIP TIME AT 1 _{ma} ms	OTHER FUNCTION TESTS	REMARKS
			TYPE	RATING AMPS		INSTALLED REF METHOD	LIVE SIZE (mm ²)	CPC SIZE (mm ²)	R _s + R _c or R _e value Ω	L-L Ω	N-N Ω	CPC-CPC Ω	L-L MO	L-E MO					
REF	DESCRIPTION					E*	F	G	H	J	K	L	M	N	P	R	S	T	V
1	DISHWASHER		60995/B	40	0.4		6.0	2.5	0.20	-	-	-	-	>200	✓	0.40		✓	
2	OVEN		60995/B	40	0.4		6.0	2.5	0.15	-	-	-	-	>200	✓	0.37		✓	
3	SOCKETS - KITCHEN		60995/B	32	0.4		2.5	1.5	0.25	0.57	0.57	0.63	>200	>200	✓	0.49		✓	
4	WATER HEATER - LADIES TOILET		60995/B	20	0.4		2.5	1.5	0.23	-	-	-	-	>200	✓	0.43	} 24	✓	
5	LIGHTS		60995/B	6	0.4		1.5	1.0	1.21	-	-	-	-	>200	✓	1.16		✓	
6	FIRE ALARM PANEL		60995/B	6	0.4		1.5	1.0	0.36	-	-	-	-	>200	✓	0.52		✓	

COMMENTS ON INSTALLATION: POOR DESIGN & INSTALLATION OF KITCHEN SOCKETS (CPC MAIN) WITH 2x WATER HEATERS & 2x WICKSACK HEATERS (HARD WIRED) BEFORE ANY OTHER APPLIANCES PLUGGED IN - RISK OF OVERLOAD OF PCB.
 LIGHT CIRCUIT LINKED TO OTHERS IN DB.1. FURTHER INVESTIGATION REQUIRED.

* Denotes optional information only

TEST INSTRUMENTS USED

INSTRUMENT	TYPE	SERIAL No.	ACCURACY VERIFIED
CONTINUITY / INSULATION	ROBIN	4146930	29 th OCTOBER 2015
LOOP / IP	ROBIN	3170093	29 th OCTOBER 2015
RCD	METRO TEST	429977	27 th OCTOBER 2015