

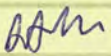
SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				Test instruments (serial numbers) used:			
Characteristics at this distribution board							
yes Confirmation of supply polarity							
* See note below							
Z _s *	0.52	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A	ms	
I _{pf} *	0.462	kA		At 5I _{Δn} (if applicable)	N/A	ms	
				Earth fault loop impedance	15067896	RCD	15067896
				Insulation resistance	15067896	Other	N/A
				Continuity	15067896	Other	N/A

TEST RESULTS													
Circuit number and phase	Circuit impedances (Ω)					Insulation resistance † Record lower or lowest value				Polarity	Maximum measured earth fault loop impedance, Z _s * See note below	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			at I _{Δn}	at 5I _{Δn} (if applicable)
	r ₁	r _n	r ₂	R ₁ + R ₂	R ₂	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)
	(Line)	(Neutral)	(cpc)										
										(✓)	(Ω)		
DB1- 4				0.50			345	345	345	✓	1.02		
											Ze=137.7		
BX9 1				0.01			1000	1000	1000	✓	137.71	26	14
BX9 2				0.01			1000	1000	1000	✓	137.71	26	14
BX9 3				0.01			1000	1000	1000	✓	137.71	26	14
BX9 4				0.01			1000	1000	1000	✓	137.71	26	14
BX9 5				0.01			1000	1000	1000	✓	137.71	26	14
BX9 6				0.01			1000	1000	1000	✓	137.71	26	14
											Ze171.4		
BX10 1				0.01			1000	1000	1000	✓	171.41	28	15
BX10 2				0.01			1000	1000	1000	✓	171.41	28	15
BX10 3				0.01			1000	1000	1000	✓	171.41	28	15
BX10 4				0.01			1000	1000	1000	✓	171.41	28	15
BX10 5				0.01			1000	1000	1000	✓	171.41	28	15
BX10 6				0.01			1000	1000	1000	✓	171.41	28	15

* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature:		Position:	Electrician
Name:	David Allun Jones	Date of testing:	23/03/2011

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SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Characteristics at this distribution board					
	YES	Confirmation of supply polarity			
☆ See note below					
Z _s	0.52	Ω	Operating times of associated RCD (if any)	At I _{Δn}	N/A ms
I _{pf}	0.462	kA		At 5I _{Δn} (if applicable)	N/A ms

Test instruments (serial numbers) used:			
Earth fault loop impedance	15067896	RCD	15067896
Insulation resistance	15067896	Other	N/A
Continuity	15067896	Other	N/A

TEST RESULTS

[illegible]

* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature:		Position:	Electrician
Name: (CAPITALS)	David Allun Jones	Date of testing:	23/03/2011

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**See previous page
for Circuit Details**

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	Main Feild Hook up boxes 11,12,13	Supply to distribution board is from:	Fed from DB1A Way 2(1.2) In the barn	No of phases:	1	Nominal voltage:	230V
Distribution board designation:	Hook up 11,12,13,	Overcurrent protective device for the distribution circuit:	Associated RCD (if any): BS(EN)		N/A		
		Type: BS3871	Rating: 60 A	RCD No of poles:	N/A	I _{Δn}	N/A mA

CIRCUIT DETAILS													
Circuit number and phase	Circuit designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit conductors: csa			Overcurrent protective devices				RCD	
					Live (mm ²)	cpc (mm ²)	Max disconnection time permitted by BS 7671 (s)	BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum Z _s permitted by BS 7671 (Ω)
	Hook Up 11 (Zs=116,1 Kva=0.0028)												
BX11 1	Socket hook up	O	B	1	1.5	1.5	0.4	BS3871	2	6	6	30	4.376
bBX- 2	Socket hook up	O	B	1	1.5	1.5	0.4	BS3871	2	6	6	30	4.376
BX11 3	Socket hook up	O	B	1	1.5	1.5	0.4	BS3871	2	6	6	30	4.376
BX11 4	Socket hook up	O	B	1	1.5	1.5	0.4	BS3871	2	6	6	30	4.376
BX11 5	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	10	6	30	3.68
BX11 6	Socket hook up	O	B	1	1.5	1.5	0.4	BS3871	2	6	6	30	4.376
	Hook Up 12(Zs= 108.9 kva=0.002)												
BX12 1	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	10	6	30	3.68
BX12 2	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	10	6	30	3.68
BX12 3	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	10	6	30	3.68
BX12 4	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	10	6	30	3.68
BX12 5	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	10	6	30	3.68
BX12 6	Socket hook up	O	B	1	1.5	1.5	0.4	EN60898	B	6	6	30	6.136
	Hook Up 13 (Zs=109,KVa 0.0028)	O	B	1	1.0	1.0	0.4	EN60898	B	6	6	30	6.136
BX13 1	Socket hook up	O	B	1	1.0	1.0	0.4	EN60898	B	6	6	30	6.136
BX13 2	Socket hook up	O	B	1	1.0	1.0	0.4	EN60898	B	6	6	30	6.136
BX13 3	Socket hook up	O	B	1	1.0	11.0	0.4	EN60898	B	6	6	30	6.136
BX13 4	Socket hook up	O	B	1	1.0	1.0	0.4	EN60898	B	6	6	30	6.136
BX13 5	Socket hook up	O	B	1	1.0	1.0	0.4	EN60898	B	10	6	30	3.68
BX13 6	Socket hook up	O	B	1	1.0	1.0	0.4	EN60898	B	10	6	30	3.68

↑ See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								O (Other - please state)
A	B	C	D	E	F	G	H	
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral-insulated cables	

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* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.

This form is based on the model shown in Appendix 6 of BS 7671

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See next page for
Schedule of Test Results

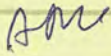
SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				Test instruments (serial numbers) used:			
Characteristics at this distribution board							
Yes Confirmation of supply polarity ☆ See note below Z_s Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ N/A ms I_{pf} kA At $5I_{\Delta n}$ (if applicable) N/A ms				Earth fault loop impedance 15067896 RCD 15067896 Insulation resistance 15067896 Other N/A Continuity 15067896 Other N/A			

TEST RESULTS													
Circuit number and phase	Circuit impedances (Ω)					Insulation resistance † Record lower or lowest value				Polarity (✓)	Maximum measured earth fault loop impedance, Z _s ★ See note below (Ω)	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line † (MΩ)	Line/Neutral † (MΩ)	Line/Earth † (MΩ)	Neutral/Earth (MΩ)			at I _{Δn} (ms)	at 5I _{Δn} (if applicable) (ms)
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)										
	R ₁ + R ₂	R ₂											
											Zs111.6		
BX11 1				0.01			1000	1000	1000	✓	111.61	30	25
oBX- 2				0.01			1000	100	1000	✓	111.62	30	25
BX11 3				0.01			1000	1000	1000	✓	111.61	30	25
BX11 4				0.01			1000	1000	1000	✓	111.61	30	25
BX11 5				0.01			1000	1000	1000	✓	111.61	30	25
BX11 6				0.01			1000	1000	1000	✓	111.61	30	25
											Zs108.9		
BX12 1				0.01			1000	1000	1000	✓	108.91	17	15
BX12 2				0.01			1000	1000	1000	✓	108.91	17	15
9X12 3				0.01			1000	1000	1000	✓	108.91	17	15
9X12 4				0.01			1000	1000	1000	✓	108.91	17	15
BX12 5				0.01			1000	1000	1000	✓	108.91	17	15
BX12 6				0.01			1000	1000	1000	✓	108.91	17	15
											Zs109		
9X13 1				0.01			1000	1000	1000	✓	109.01	26	14
BX13 2				0.01			1000	1000	1000	✓	109.01	26	14
BX13 3				0.01			1000	1000	1000	✓	109.01	26	14
BX13 4				0.01			1000	1000	1000	✓	109.01	26	14
BX13 5				0.01			1000	1000	1000	✓	109.01	26	14
BX13 6				0.01			1000	1000	1000	✓	109.01	26	14

* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature: 	Position: Electrician
Name: (CAPITALS) David Allun Jones	Date of testing: 23/03/2011

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Observations and Recommendations for actions to be taken

Connection box 1 in North field		
16	Evidence of Moisture inside the box - Box requires cover/Sealing	2
17	No warning label to explain Pme earthing system in box	2
Hook up box 2 (North Field)		
18	No warning label to explain Pme earthing system in connection below hook up box	2
19	One Rcd controls six hook up sockets	2
20	Warning label to explain TT earthing system present in box	2
21	Zs exceeds maximum permitted reading for a TT earthing system	2
Hook up box 3 (North Field)		
22	One Rcd controls six hook up sockets	2
23	Warning label to explain TT earthing system and Pme Earth system present in box	2
24	High earth loop reading on the pme earthing side if the cable (119.4) (Requires Rcd protection)	2
25	Zs exceeds maximum permitted reading for a TT earthing system	2
Hook up box 4 (North Field)		
26	One Rcd controls six hook up sockets	2
27	Warning label to explain TT earthing system and Pme Earth system present in box	2
28	Zs exceeds maximum permitted reading for a TT earthing system	2
Hook up box 5 (East Field)		
29	No warning label to explain Pme earthing system in connection below hook up box	2
30	Xlpe cables not correctly installed in Hook up box	2
31	Earth tag been used around Xlpe cable for armourings	2
32	One Rcd controls six hook up sockets	2
33	Warning label to explain TT earthing system present in box	2
34	Circuit breaker faulty on socket one	2
35	Xlpe cable connected in metal box below hook up	2
36	Poor termination on Xlpe swa earthing conductor to box	2
Hook up box 6 (East Field)		
37	Warning label to explain TT earthing system and Pme Earth system present in box	2
38	Xlpe cables not correctly installed in Hook up box	2
39	Earth tag been used around Xlpe cable for armourings	2
40	One Rcd controls six hook up sockets	2
41	Warning label to explain TT earthing system present in box	2
42	Circuit breaker three faulty on socket one (Burn marks)	2
43	Incorrect size of breaker installed on way 2 and four (20amp rated)	2
44	Enclosure over the breakers is broken unable to seal and create Ip protection	2
Hook up box 7 (East Field)		
45	Warning label to explain TT earthing system and Pme Earth system present in box	2
46	Xlpe cables not correctly installed in Hook up box	2
47	Earth tag been used around Xlpe cable for armourings	2
48	One Rcd controls six hook up sockets	2
49	Warning label to explain TT earthing system present in box	2
Hook up box 8 (On wall side barn building)		
50	Warning label to explain TT earthing system and Pme Earth system present in box	2
51	Supply cable terminated in a poor condition	2
52	No stuffing gland on supply cable	2
53	One Rcd controls six hook up sockets	2
54	Warning label to explain TT earthing system present in box	2
55	Enclosure over the breakers is broken unable to seal and create Ip protection	2
56	Zs exceeds maximum permitted reading for a TT earthing system	2

Observations and Recommendations for actions to be taken**Hook up box 9(East Field)**

57	Warning label to explain TT earthing system and Pme Earth system present in box	2
58	Xlpe cables not correctly installed in Hook up box	2
59	Earth tag been used around Xlpe cable for armourings	2
60	One Rcd controls six hook up sockets	2
61	Warning label to explain TT earthing system present in box	2
62	No identification on green earth conductors used as a earth	4
63	No two colour label on box to explain two colour cables present	4

Hook up box 10 (East Field)

64	Warning label to explain TT earthing system and Pme Earth system present in box	2
65	Xlpe cables not correctly installed in Hook up box	2
66	Earth tag been used around Xlpe cable for armourings	2
67	One Rcd controls six hook up sockets	2
68	Warning label to explain TT earthing system present in box	2
69	Live parts Accesable through cover	1

Hook up box 11 (Main Field)

70	One Rcd controls six hook up sockets	2
71	Warning label to explain TT earthing system present in box	2
72	Unable to obtain a Zs earth reading for the pme system to the box	3
73	No identification on green earth conductors used as a earth	4

Hook up box 12 (Main Field)

74	Xlpe cables not correctly installed in Hook up box	2
75	Earth tag been used around Xlpe cable for armourings	2
76	One Rcd controls six hook up sockets	2
77	Warning label to explain TT earthing system present in box	2

Hook up box13 (Main Field)

78	Xlpe cables not correctly installed in Hook up box	2
79	Earth tag been used around Xlpe cable for armourings	2
80	One Rcd controls six hook up sockets	2
81	Warning label to explain TT earthing system present in box	2
82	Circuit breaker three faulty on socket one (Burn marks)	2
83	Enclosure over the breakers is missing unable to seal and create Ip protection	2