

23 JUL 013



# ELECTRICAL INSTALLATION CONDITION REPORT

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(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS —  
BS 7671 (IET WIRING REGULATIONS))

Name	Acc'd	Post To	Date
Dep. Gen. Mgr	AK		23/7
Ops. Mgr			24/7
D. Mgr			
D. Mgr			
D. Mgr			
D. Mgr			
Admin			
Merit			
Bar			
Boat			

SELECT  
MEMBERSHIP  
NUMBER  
**24082**

This report is not valid if the number is defaced or altered

## CR 048058

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### T / PERSON ORDERING THE REPORT

Name: **GALLEON CENTRE**  
Address: **99 TICHFIELD STREET KILMARNOCK AYLESHIRE**

### SECTION B. REASON FOR PRODUCING THIS REPORT

Reason: **ANNUAL INSPECTION**  
Date(s) on which inspection and testing was carried out: **8/7/2013**

### SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier: **GALLEON CENTRE**  
Address: **99 TICHFIELD STREET KILMARNOCK AYLESHIRE**  
Description of premises (Tick as appropriate): Domestic  Commercial  Industrial  Other   
Estimated age of the wiring system: **27** years. Evidence of additions or alterations Yes  No  Not apparent   
If "Yes" estimate age: **2** years. Installation records available? (Regulation 621.1) Yes  No  Date of last inspection: **22/5/2012**

### SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report: **SWIMMING POOL + CHANGING AREAS**  
Agreed limitations including the reasons (Regulation 634.2). Agreed with: **MANAGEMENT 20% OF ACCESSORIES OPENED AND INSPECTED. INACCESSIBLE LIGHTS NOT INSPECTED.**  
Operational limitations including the reasons: **POOL OPEN TO PUBLIC UNABLE TO ISOLATE LIGHTING CIRCUIT**  
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 **2011**. 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.

### SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety): **FOR THE AGE OF INSTALLATION THE GENERAL CONDITION IS GOOD**  
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'. 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 **9/7/2014** (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) **THOMAS NORTHCOPE**  
Signature **Thomas M Northcop**  
For/on behalf of **WESKOS ELECTRICAL**  
Position **ELECTRICIAN**  
Address **6 HOLEHOUSE ROAD LARGS KA30 9JH**  
Date **8/7/2013**

Report authorised for issue by:  
Name (Capitals) **U. KILLING**  
Signature **U. KILLING**  
For/on behalf of **WESKOS ELECTRICAL**  
Position **PROPRIETOR**  
Address **SEENHEAD FARM ARDROSSAN**  
Date **8/7/2013**

### SECTION H. SCHEDULE(S)

**2** schedule(s) of inspection and **2** 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**

**CR 048058**

*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	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM No.	DESCRIPTION						OUTCOME <i>(Use codes above. Provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded in Section K of the Condition Report)</i>			Further investigation required? <i>(Y or N)</i>		
<b>1.0</b>	<b>DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT</b>											
1.1	Service cable condition						✓					
1.2	Condition of service head						N/A					
1.3	Condition of tails - Distributor						N/A					
1.4	Condition of tails - Consumer						✓					
1.5	Condition of metering equipment						✓					
1.6	Condition of isolator (where present)						N/A					
<b>2.0</b>	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>											
<b>3.0</b>	<b>EARTHING / BONDING ARRANGEMENTS (411.3; Chapter 54)</b>											
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)						LIM					
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)						✓					
3.5	Accessibility and condition of earthing conductor at main earthing terminal (MET) (543.3.2)						✓					
3.6	Confirmation of main protective bonding conductor sizes (544.1)						LIM					
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)						LIM					
3.8	Accessibility and condition of all protective bonding connections (543.3.2)						LIM					
<b>4.0</b>	<b>CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)</b>											
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)						LIM					
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)						✓					
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 enter consumer unit / distribution board / enclosures (521.5.1)						N/A					
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)						✓					

CONDITION REPORT INSPECTION SCHEDULE (CONTINUED)

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OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM No.	DESCRIPTION										OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded in Section K of the Condition Report)	Further Investigation required? (Y or N)
5.0	<b>FINAL CIRCUITS</b>											
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, ducting 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	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> ) (522.6.101)										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. <i>Extent and limitations</i> ) (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)										N/A	
5.12	• for cables concealed in walls or partitions (522.6.102; 522.6.103)										✓	
	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)										N/A	
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)										✓	
5.16	Cables segregated / separated from non-electrical services (528.3)										✓	
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)										✓	
5.17	• Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)										✓	
	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))										✓	
5.18	Suitability of accessories for external influences (512.2)										✓	
5.19	Suitability of accessories for external influences (512.2)										✓	
6.0	<b>LOCATION(S) CONTAINING A BATH OR SHOWER</b>											
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)										✓	
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 or 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)										✓	
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)										✓	
6.7	Suitability of equipment for installation in a particular zone (701.512.3)										✓	
6.8	Suitability of current-using equipment for particular position within the location (701.55)										✓	
7.0	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b>											
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)										SWIMMING POOL	

Inspected by: NAME (CAPITALS) THOMAS NORTHCOPE Signature Thomas M Northcote Date 8/7/2013

# CIRCUIT CHART AND SCHEDULE OF TEST RESULTS (15 CIRCUITS)

Details of circuits and/or installed equipment vulnerable to damage when testing

Z<sub>s</sub> at DB ..... 0.15 ohms  
I<sub>pf</sub> at DB ..... 3.08 KA



Distribution Board Reference No. **LP9 B**  
Location and Type **PLANT ROOM PRACTICES**

Phase sequence confirmed (where appropriate)

Supply polarity confirmed

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## CIRCUIT DETAILS

No.	Circuit Description	No. of Points (see code below)	Wiring Details		Overcurrent Device Breaking Capacity	Continuity		Insulation Resistance (Lowest values measured)	Earth fault loop impedance	RCD/RCBO Protection		Functional Testing	Remarks	
			Type	Ref. Method		R <sub>1</sub> +R <sub>2</sub> or R <sub>2</sub>	Ring Final Circuit			L-L	L-E			Z <sub>s</sub>
1	Pool LTS	6	D/H	WMA	2.5	C	20							
2	Pool LTS	2	D/H	WMA	4	C	32							
3	Pool LTS	11	D/H	WMA	4	C	32							
4	Pool LTS	5	D/H	WMA	4	C	32							
5	Pool Day Seat LTS	4	LIM	WMA	2.5	C	10							
6	Pool Clock + ELEVATOR LTS	2	LIM	WMA	2.5	C	10							
7	Pool 13A SKITS	4	C	WMA	2.5	C	32							
8	ICE HALL COOLED PANEL	1	D	WMA	2.5	C	10							
9	TRANSFORMER CIRC	2	F	WMA	2.5	C	32							
10	ICE HALL WATER P/P	1	F	WMA	2.5	C	20							
11	"	1	F	WMA	2.5	C	20							
12	"	1	F	WMA	2.5	C	20							

† Insert Reference Method (see Table 4A2 from BS 7671 Appendix 4)

\*30mA RCDs only

## TEST RESULTS

Code for Wiring Type	A		B		C		D		E		F		G		H		O (Other - please specify)	
	PVC/PVC	PVC in Metal Conduit	PVC in Metal Conduit	PVC in Plastic Conduit	PVC in Metal Trunking	PVC in Plastic Trunking	PVC/SWA	XLPE/SWA	Mineral Insulated	Manufacturer	Type	Serial No.	Date Accuracy Verified	Manufacturer	Type	Serial No.	Date Accuracy Verified	
<b>TEST INSTRUMENTS USED</b>																		
Manufacturer	Type																	
Serial No.	17030051																	
Date Accuracy Verified	June 2013																	
Manufacturer	Type																	
Serial No.																		
Date Accuracy Verified																		

# CIRCUIT CHART AND SCHEDULE OF TEST RESULTS (36 CIRCUITS)



Associated Certificate/Report Serial No. CR048058 Address GALLEON CENTRE  
 Distribution Board Reference No. NOT ASSIGNED 99 TICHFIELD STREET  
 Type PROTEUS KILMAENOCK  
 Location POOL OFFICE Date 8/7/2013

$Z_e$  0.2 ohms  
 $I_{pf}$  2.352 kA

CIRCUIT No.	Conductor Size mm <sup>2</sup>		Overcurrent Protection		Description	No. of Points	Continuity R <sub>1</sub> +R <sub>2</sub> or R <sub>2</sub> ohms	Ring Circuit Continuity (✓)	Insulation Resistance ♦ Megohms				Polarity (✓)	Max Z <sub>s</sub> ohms	RCD/RCBO Disconnection Times ms	
	Live	CPC	Type	Amps					P-P	P-N	P-E	N-E			100%	*500%
1	2.5	2.5	C	10	CORRIDOR LTS	5						✓	0.7	66	22	
2	2.5	1.5	C	10	GENTS CHANGE LTS	21						✓	1.2	28	28	
3	1.5	1.5	C	16	LADIES CHANGE LTS	36						✓	0.85	38	28	
4	2.5	2.5	C	10	CORRIDOR LTS	21						✓	0.95	25	18	
5	2.5	2.5	C	32	CORRIDOR SOCKETS	5		✓				✓	0.52	25	19	
6	4.0	4.0	C	32	HAND DRIER MALE/FEMALE	2						✓	0.26	28	19	
7	2.5	2.5	C	10	PA SOCKET	1						✓	0.5	19	19	
8	4.0	4.0	C	20	HAIR DRIERS MALE	2										
9																
10												✓	0.51	21	19	
11	2.5	2.5	C	20	HAIR DRIER FAMILY	2						✓	1.0	18	18	
12	2.5	2.5	C	16	POOL COVER	2						✓	0.8	23	18	
13	2.5	2.5	C	20	HIGH LEVEL SKT LADIES	2						✓	0.6	19	19	
14	2.5	2.5	C	20	HAIR DRIER LADIES	2						✓	1.95	52	18	
15	1.5	1.5	C	6	FIRE DOOR MAGNETS	5						✓	1.26	28	29	
16	2.5	1.5	C	10	EXT FAN LADIES CHANGE	1										
17																
18																
19																
20																
21												✓	0.35	26	12	
22	6.0	6.0	C	50	PEOPLE DRIER	1						✓	0.35	26	12	
23	6.0	6.0	C	50									✓	0.35	26	12
24	6.0	6.0	C	50									✓	0.35	26	12

♦ Lowest values recorded      ■ Highest values recorded      \* 30mA RCDs only

INSTRUMENTS USED							
Manufacturer	Type	Serial No.	Date Accuracy Verified	Manufacturer	Type	Serial No.	Date Accuracy Verified
ALPHATEC	MULTI TEST	17030051	JUNE 13				

Tested by THOMAS NORTHCOTE Signature Thomas N. Northcote Page 6 of 6



SELECT  
MEMBERSHIP  
NUMBER

24082

This report is not valid if the  
number is defaced or altered

CR 03174

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### SECTION A. DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Name: GALLAN CENTRE  
Address: 99 TICHFIELD ST KILMARNOCK

### SECTION B. REASON FOR PRODUCING THIS REPORT

Reason: ANNUAL INSPECTION  
Date(s) on which inspection and testing was carried out: 21-22/5/12

### SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier: GALLAN CENTRE  
Address: 99 TICHFIELD ST KILMARNOCK

Description of premises (Tick as appropriate): Domestic  Commercial  Industrial  Other

Estimated age of the wiring system: 25 years. Evidence of additions or alterations Yes  No  Not apparent

If "Yes" estimate age: 1 years. Installation records available? (Regulation 621.1) Yes  No  Date of last inspection: 12/3/20

### SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report: SWIMMING POOL & CHANGING AREAS

Agreed limitations including the reasons (Regulation 634.2). Agreed with: DURLEY HIGH BAY LIGHTING IN POOL INACCESSIBLE POOLSIDE SOCKET CIRCUIT NOT TESTED AS UNABLE TO ISOLATE POOL SUPPLY

Operational limitations including the reasons: I.R. READINGS NOT TAKEN AS CIRCUITS COULD NOT BE ISOLATED

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 2011. 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.

### SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

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

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'. 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 22/5/12 (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) THOMAS M NORTHCOTE  
Signature Thomas M Northcot  
For/on behalf of WESKOS ELECTRICAL  
Position INSPECTOR  
Address 6 HOLEHOUSE ROAD LARGS  
Date 22/5/2012

Report authorised for issue by:  
Name (Capitals) W Killin  
Signature W Killin  
For/on behalf of WESKOS ELECTRICAL  
Position PROPRIETOR  
Address GLAMIS FARM ABERDEEN  
Date 22/5/12

SECTION H. SCHEDULE(S) 2 schedule(s) of inspection and 1 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

Associated Report Serial No. **CR03174**

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	Not verified	N/V	Limitation	LIM	Not applicable	N/A		
ITEM No.	DESCRIPTION							OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded in Section K of the Condition Report)	Further Investigation required? (Y or N)				
1.0	<b>DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT</b>												
1.1	Service cable condition							✓				Z	
1.2	Condition of service head							Z/A				Z	
1.3	Condition of tails - Distributor							Z/A				Z	
1.4	Condition of tails - Consumer							✓				Z	
1.5	Condition of metering equipment							✓				Z	
1.6	Condition of isolator (where present)							✓				Z	
2.0	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>							Z/A				Z	
3.0	<b>EARTHING / BONDING ARRANGEMENTS (411.3; Chapter 54)</b>												
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)							✓					Z
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)							Z/A					Z
3.3	Provision of earthing / bonding labels at all appropriate locations (514.13)							Z/A					Z
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)							✓					Z
3.5	Accessibility and condition of earthing conductor at main earthing terminal (MET) (543.3.2)							✓					Z
3.6	Confirmation of main protective bonding conductor sizes (544.1)							Z/A					Z
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)							Z/A					Z
3.8	Accessibility and condition of all protective bonding connections (543.3.2)							Z/A					Z
4.0	<b>CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)</b>												
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)							✓					Z
4.2	Security of fixing (134.1.1)							✓					Z
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)							✓					Z
4.4	Condition of enclosure(s) in terms of fire rating etc (526.5)							✓					Z
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))							✓					Z
4.6	Presence of main linked switch (as required by 537.1.4)							✓					Z
4.7	Operation of main switch (functional check) (612.13.2)							L/H					Z
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)							✓					Z
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)							✓					Z
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board (514.12.2)							✓					Z
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)							✓					Z
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)							Z/A					Z
4.13	Presence of other required labelling (please specify) (Section 514)							Z/A					Z
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)							✓					Z
4.15	Single-pole protective devices in line conductor only (132.14.1; 530.3.2)							✓					Z
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)							✓					Z
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1)							Z/A					Z
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)							✓					Z
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)							✓					Z

**CONDITION REPORT INSPECTION SCHEDULE (CONTINUED)**

Associated Report Serial No. **CR.031.74**

OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM No.	DESCRIPTION								OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded in Section K of the Condition Report)	Further Investigation required? (Y or N)		
5.0	<b>FINAL CIRCUITS</b>											
5.1	Identification of conductors (514.3.1)								✓	2		
5.2	Cables correctly supported throughout their run (522.8.5)								✓	2		
5.3	Condition of insulation of live parts (416.1)								✓	2		
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)								✓	2		
	• To include the integrity of conduit and trunking systems (metallic and plastic)								✓	2		
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)								✓	2		
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)								✓	2		
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)								✓	2		
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)								✓	2		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)								✓	2		
5.10	Concealed cables installed in prescribed zones (see Section D. <i>Extent and limitations</i> ) (522.6.101)								LIM	2		
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. <i>Extent and limitations</i> ) (522.6.101; 522.6.103)								LIM	2		
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)								✓	2		
	• for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)								NA	2		
	• for cables concealed in walls or partitions (522.6.102; 522.6.103)								✓	2		
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)								LIM	2		
5.14	Band II cables segregated / separated from Band I cables (528.1)								NA	2		
5.15	Cables segregated / separated from communications cabling (528.2)								✓	2		
5.16	Cables segregated / separated from non-electrical services (528.3)								✓	2		
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)								✓	2		
	• No basic insulation of a conductor visible outside enclosure (526.8)								✓	2		
	• Connections of live conductors adequately enclosed (526.5)								✓	2		
	• Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)								✓	2		
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))								✓	2		
5.19	Suitability of accessories for external influences (512.2)								✓	2		
6.0	<b>LOCATION(S) CONTAINING A BATH OR SHOWER</b>											
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)								✓	2		
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)								NA	2		
6.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535 (701.512.3)								NA	2		
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)								NA	2		
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)								✓	2		
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)								✓	2		
6.7	Suitability of equipment for installation in a particular zone (701.512.3)								✓	2		
6.8	Suitability of current-using equipment for particular position within the location (701.55)								✓	2		
7.0	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b>											
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)								SWIMMING Pool	2		

Inspected by: NAME (CAPITALS) **T.M. NORTHCOPE** Signature **Thomas M. Northcote** Date **22/5/12**



# CIRCUIT CHART AND SCHEDULE OF TEST RESULTS (15 CIRCUITS)

Z<sub>s</sub> at DB ..... 0.18 ohms  
I<sub>pf</sub> at DB ..... 2.76 kA

Details of circuits and/or installed equipment vulnerable to damage when testing  
LIGHTING AND DRYER CIRCUITS

Associated Certificate/Report Serial No. CLO3174

Distribution Board Reference No. LP 4

Location and Type PROTEUS POOL STAFF RM

Supply polarity confirmed

Phase sequence confirmed (where appropriate)

## TEST RESULTS

No.	Circuit Description	No. of Points	Wiring Details			Overcurrent Device Breaking Capacity (kA)	Continuity			Insulation Resistance (Lowest values measured)		Polarity	Earth fault loop impedance		RCD/RCS Protection		Functional Testing	Remarks
			Type (see code below)	Ref Method †	CSA		R <sub>1</sub> +R <sub>2</sub> or R <sub>2</sub> Ω	Ring Final Circuit Ω	MΩ		Z <sub>s</sub> Ω		I <sub>Δn</sub> mA	Time (ms)				
					Live				CPC	L-L				L-E	100%	500%		
1	CORRIDOR LTS	5	CD		2.5	2.5	RCBO	10				✓	0.55	30	36	22	✓	
2	GENTS CHANG LTS	23	CD		1.5	1.5	RCBO	10				✓	0.65	30	21	19	✓	
3	LADIES CHANG LTS	36	CD		1.5	1.5	RCBO	10				✓	0.85	30	19	19	✓	
4	CORRIDOR LTS	15	CD		2.5	2.5	RCBO	10				✓	0.75	30	28	19	✓	
5	CORRIDOR SCKTS	6	CD		2.5	2.5	RCBO	32				✓	0.6	30	28	19	✓	
6	HAND DRYERS	2	CD		4.0	4.0	RCBO	32				✓	0.3	30	19	19	✓	
7	PA SOCKET	1	C		2.5	2.5	RCBO	10				✓	0.45	30	29	19	✓	
8	HAND DRYERS	2	CD		2.5	2.5	RCBO	20				✓	0.55	30	19	19	✓	
11	FAIR HAIR DRYER	2	CD		2.5	2.5	RCBO	20				✓	0.55	30	19	19	✓	
12	POOL COVER	1	G		2.5	2.5	RCBO	16				✓	0.55	30	29	19	✓	
13	HIGH LEVEL SKT LADIO	2	CD		2.5	2.5	RCBO	20				✓	0.55	30	28	19	✓	
14	HAIR DRYERS	2	CD		2.5	2.5	RCBO	20				✓	0.5	30	19	19	✓	
15	FIRE DOOR MAGNET	5	CD		1.5	1.5	RCBO	6				✓	1.8	30	22	18	✓	
22	PEOPLE DRYER	1	G		6.0	6.0	C	50				✓	0.4	30	27	12	✓	
23	3 PH BREAKER				6.0	6.0						✓	0.4	30	27	12	✓	

† Insert Reference Method (see Table 4A2 from BS 7671 Appendix 4)

Code for Wiring Type	A		B		C		D		E		F		G		H		O (Other - please specify)	
	PVC/PVC	PVC in Metal Conduit	PVC in Plastic Conduit	PVC in Metal Trunking	PVC in Plastic Trunking	PVC in Metal Trunking	PVC in Plastic Trunking	PVC in Metal Trunking	PVC in Plastic Trunking	PVC/SWA	PVC/SWA	PVC/SWA	PVC/SWA	XLPE/SWA	Mineral Insulated	Mineral Insulated	Mineral Insulated	Mineral Insulated

TEST INSTRUMENTS USED			
Manufacturer	Type	Serial No.	Date Accuracy Verified
ALPHA TEC	MULTI TESTER	17030051	15/6/09

Tested by: NAME (CAPITALS) T. WORTHCOTE  
 Signature: Thomas H. Worthcote  
 Date: 22/5/2012  
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