ELECTRICAL INSTALLATION CONDITION REPORT

wessex RESPONSE

NICEIC APPROVED CONTRACTOR

ECA Representing the best in electrical engineering and building services

Certificate No. 6452 | Inspected by: M.ESPOSITO

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

Name: RFCA WYEVERN BARRACKS

Address: BUILDING 22 WYVERN BARRACKS, BARRACK ROAD, EXETER

Post code: EX2 6AE

SECTION B: REASON FOR PRODUCING THIS REPORT

Electrical installation condition report requested by client.

Date(s) on which inspection and testing was carried out: 15/01/2020

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

Occupier: BUILDING 22 WYVERN BARRACKS | Address: BARRACKS, BARRACK ROAD, EXETER

Details of premises: Commercial | Post code: EX2 6AE

Estimated age of wiring: >15 Years | Additional Details: N/A

Evidence of additions/alterations: Yes | Yes, estimate age: = 5 Years

Installations record available? (Regulation 621.1): No | Date of last inspection: 15/01/2020

SECTION D: EXTENT AND LIMITATIONS OF INSPECTING AND TESTING

Extent of electrical installation covered by this report:

Visual inspection of suppliers terminal equipment, inspection & test of main protective & supplementary bonding & final circuits. Due to limitation of access, lighting circuits may be tested at the switch. Supplies not provided by a distributor (e.g. photovoltaic) are excluded.

Agreed limitations including the reasons (Regulation 634.2): Testing to be carried out in accordance with GN3 guidelines.

No disturbance of building fabric, fittings or sealed covers. No testing of boiler controls & circuits, emergency lighting, fire & intruder alarms and portable appliances. L-L IR test where practicable.

Operational Limitations including the reasons | Agreed with: Client

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations). 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. Inspection of accessible roof space housing other electrical equipment only if practicable. 1 Limitation (LIM) 5.2 0 1

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

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

On completion of any remedial works, the installation would be generally satisfactory

Overall assessment of the installation in terms of its suitability for continued use: Unsatisfactory

*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) and/or further investigation has been deemed required (code FI) 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'(code FI). 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: 15/01/2025

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 by: M.Esposito. | Signature:  | Position: INSPECTOR | Date: 15/01/2020

Authorised/Reviewed by:

Reviewed by: Tim Latter | Signature:  | Position: QS | Date: 15/01/2020

SECTION H: SCHEDULE(S)

2 Schedule(s) of inspection and 11 Schedule(s) of test results are attached.

The attached schedules are part of this document and this report is valid only when they are attached to it.

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452 Occupier BUILDING 22 WYVERN BARRACKS

PARTICULARS OF SIGNATORIES OF THE ELECTRICAL INSTALLATION CERTIFICATE

Inspector

Name:	Tim Latter	Company:	Wessex Response		
Address:	Wincombe Lane	Email:	tim.latter@wessex.org		
CPS:	005682	Post Code:	SP7 8PJ	Telephone:	01747 852878

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earth arrangements		Nature of supply parameters			Primary overcurrent protective device	
LIM		Nominal voltage. U/Uo (1)	230	V	BS(EN)	N/V
Number and type of live conductors		Nominal frequency. F(1)	50	Hz	Type	N/V
a.c	3-wire	Prospective fault current. Ipf(2)	LIM	kA	Rated current (A)	N/V
Supply polarity confirmed	✓	External loop impedance. Ze(2)	LIM	O		

Note: (1) by enquiry. (2) by enquiry or measurement

Inspected by: M.ESPOSITO

Other sources of supply (as detailed on attached sheet) N/A

SECTION J: PARTICULARS OF INSTALLATION REFERRED TO IN REPORT

Means of earthing: Distributor's facility

Details of earth electrode (where applicable): Type N/A Location N/A Resistance to Earth O

Main protective conductors

Earthing conductor	Material	Copper	Csa	LIM	mm2	Connection/continuity verified	N/V
Main protective bonding conductors	Material	Copper	Csa	10	mm2	Connection/continuity verified	✓

To.							
Water installation pipes	✓	gas installation pipes	✓	oil installation pipes	-	Structural steel	-
Lighting protection	-	other incoming services (specify)					

Main switch/switch fuse/circuit breaker/RCD (if primary, or only Distribution Board)

Location N/A

If RCD main switch

BS(EN)	N/A	Current rating (A)	N/A	Related residual operating current (IΔn).	N/A
No. of poles	N/A	Fuse/device rating/setting (A)	N/A	Related time delay. ms	N/A
		Voltage rating (V)	N/A	Measured operating time (IΔn).	N/A

Total No. of DBs:	Total No. of Circuits:	No. of C1 codes:_	No. of C2 codes:_	No. of C3 codes:_	No. of FI codes:_
6	97	0	0	9	1

Section K continued on next page:

Certificate No. 6452 Occupier BUILDING 22 WYVERN BARRACKS

SECTION K: OBSERVATIONS AND READINGS

Referring to the attached schedule of inspection and test results, and subject to the limitations specified in the Extent & Limitations of Inspection and Testing section.

Observations (continued on additional form if required)	Classification Code
GENERAL - UNKNOWN CIRCUITS REQUIRE FURTHER INVESTIGATION	FI
GENERAL - WARNING LABELS MISSING FROM DB'S	C3
Schedule of Inspections Page 1; Item Number 4.19, has been issued Code C3	C3
Schedule of Inspections Page 1; Item Number 4.13, has been issued Code C3	C3
Schedule of Inspections Page 1; Item Number 4.11, has been issued Code C3	C3
Schedule of Inspections Page 1; Item Number 4.10, has been issued Code C3	C3
Schedule of Inspections Page 1; Item Number 4.9, has been issued Code C3	C3
Schedule of Inspections Page 2; Item Number 5.12.5, has been issued Code C3	C3
Schedule of Inspections Page 2; Item Number 5.12.4, has been issued Code C3	C3
Schedule of Inspections Page 2; Item Number 5.12.3, has been issued Code C3	C3

One of the following codes, as appropriate, has been allocated to each of the observations made to indicate the degree of urgency of remedial action required.
C1 = Danger present. Risk of injury. Immediate remedial action required.
C2 = Potentially dangerous. Urgent remedial action required.
C3 = Improvement recommended.
FI = Further investigation required without delay.

Certificate No. 6452

Occupier BUILDING 22 WYVERN BARRACKS

Inspected by: M.ESPOSITO

Outcomes: Acceptable condition OK | Unacceptable condition C1 or C2 | Further investigation F1 | Not verified N/V | Limitation LIM | Not applicable N/A

Item No.	Description	Outcome
1.0	DISTRIBUTOR'S / SUPPY INTAKE EQUIPMENT	
1.1	Condition of service cable	OK
1.2	Condition of service head	OK
1.3	Condition of distributer's earthing arrangement	OK
1.4	Condtion of meter tails - Distributor/Consumer	OK
1.5	Condition of metering equipment	OK
1.6	Condition of isolator (where present)	OK
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES e.g. 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)	OK
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)	OK
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	OK
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	OK
3.6	Condition of Confirmation of main protective bonding conductor sizes (544.1) f isolator (where present)	OK
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	OK
3.8	Accessibility and condition of all protective bonding connections (543.3.2)	OK
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)	OK
4.2	Security of fixing (134.1.1)	OK
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	OK
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201;526.5)	OK
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	OK
4.6	Presence of main linked switch (as required by 537.1.4)	OK
4.7	Operation of main switch (functional check) (612.13.2)	OK
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)	OK
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	C3
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board (514.12.2)	C3
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)	C3
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)	C3
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or	OK
4.15	Single-pole protective devices in line conductor only (132.14.1; 530.3.2)	OK
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)	OK
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1)	OK
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)	OK
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	LIM
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 public supply (551.7)	N/A

Continued on Page4

Certificate No. 6452

Occupier BUILDING 22 WYVERN BARRACKS

Inspected by: M.ESPOSITO

Outcomes: Acceptable condition OK | Unacceptable condition C1 or C2 | Further investigation F1 | Not verified N/V | Limitation LIM | Not applicable N/A

Item No.	Description	Outcome
5.0	FINAL CIRCUITS	
5.1	Identification of conductors (514.3.1)	OK
5.2	Cables correctly supported throughout their run (522.8.5)	LIM
5.3	Condition of insulation of live parts (416.1)	OK
5.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1)	OK
	• To include the integrity of conduit and trunking systems (metallic and plastic)	OK
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	OK
5.6	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	OK
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	OK
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; Section 543.1)	OK
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	OK
5.10	Concealed cables installed in prescribed zones (see Section D: Extent and limitations) (522.6.101)	LIM
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and	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)	OK
	• For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	OK
	• For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)	C3
	• For cables concealed in walls /partitions containing metal parts regardless of depth (522.6.203)	C3
	• Final circuits supplying luminaires within a domestic (household) premises (411.3.4)	C3
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	OK
5.14	Band II cables segregated / separated from Band I cables (528.1)	OK
5.15	Cables segregated / separated from communications cabling (528.2)	OK
5.16	Cables segregated / separated from non-electrical services (528.3)	OK
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)	10%
	• Connections soundly made and under no undue strain (526.6)	OK
	• No basic insulation of a conductor visible outside enclosure (526.8)	OK
	• Connections of live conductors adequately enclosed (526.5)	OK
	• Adequately connected at point of entry to enclosure (glands, bushes, etc.) (522.8.5)	OK
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2(iii))	OK
5.19	Suitability of accessories for external influences (512.2)	OK
5.20	Adequency of working space/accessibility to equipment (132.12;513.1)	OK
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.2)	OK
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)	OK
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	OK
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	OK
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)	OK
6.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 (701.512.3)	OK
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	OK
6.7	Suitability of equipment for installation in a particular zone (701.512.3)	OK
6.8	Suitability of current-using equipment for a particular position within the location (701.55)	OK
7.0	OTHER PART 7 SPECIAL INSTALL ATIONS OR LOCATIONS	
7.1	List other special installations or locations present, if any (record separately theresults of particular inspections applied).	N/A

Inspected by: M.Esposito. Signature:  Date: 15/01/2020

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: MP

DB Location: LAD WORKSHOP RISER

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.15 Ipf at DB (kA) 3.07 No. of Ways 12

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: PILLAR Rating: 250

DB Switch: 60947 Type: 2 Nominal Voltage: 230/400

DB Manufacturer/Type: FEDERAL ELECTRIC Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device					Conductor Details			Ring Continuity (Ω)				(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)			AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button operation	Maximum Permitted Zs (Ω)	Observations
1	L1	DB C	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.01	N/A	500	LIM	LIM	[✓]	0.16	N/A	N/A		0.4	N/A	N/A	
1	L2	DB C	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.01	N/A	500	LIM	LIM	[✓]	0.16	N/A	N/A		0.4	N/A	N/A	
1	L3	DB C	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.01	N/A	500	LIM	LIM	[✓]	0.16	N/A	N/A		0.4	N/A	N/A	
2	L1	DB D	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.02	N/A	500	LIM	LIM	[✓]	0.17	N/A	N/A		0.4	N/A	N/A	
2	L2	DB D	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.02	N/A	500	LIM	LIM	[✓]	0.17	N/A	N/A		0.4	N/A	N/A	
2	L3	DB D	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.02	N/A	500	LIM	LIM	[✓]	0.17	N/A	N/A		0.4	N/A	N/A	
3	L1	FIRE ALARM	4752	2	20	22	N/A	D	B		2.5	2.5	N/A	N/A	N/A	0.27	N/A	500	LIM	LIM	[✓]	0.42	N/A	N/A		0.4	N/A	N/A	
3	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
3	L3	DB A	4752	2	60	22	N/A	D	B		16	16	N/A	N/A	N/A	0.18	N/A	500	LIM	LIM	[✓]	0.33	N/A	N/A		0.4	N/A	N/A	
4	L1	DB B	4752	2	60	22	N/A	F	C		16	16	N/A	N/A	N/A	0.02	N/A	500	LIM	LIM	[✓]	0.17	N/A	N/A		0.4	N/A	N/A	
4	L2	DB B	4752	2	60	22	N/A	F	C		16	16	N/A	N/A	N/A	0.02	N/A	500	LIM	LIM	[✓]	0.17	N/A	N/A		0.4	N/A	N/A	
4	L3	DB B	4752	2	60	22	N/A	F	C		16	16	N/A	N/A	N/A	0.02	N/A	500	LIM	LIM	[✓]	0.17	N/A	N/A		0.4	N/A	N/A	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB D

DB Location: LAD WORKSHOP RISER

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.16 Ipf at DB (kA) 2.88 No. of Ways 24

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device					Conductor Details						Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)				AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
1	L1	VEHICLE LIFT	60898	B	32	10	N/A	B	B		6	6	N/A	N/A	N/A	0.23	N/A	500	LIM	>199	[✓]	0.39	N/A	N/A		0.4	N/A	1.37	
1	L2	VEHICLE LIFT	60898	B	32	10	N/A	B	B		6	6	N/A	N/A	N/A	0.23	N/A	500	LIM	>199	[✓]	0.39	N/A	N/A		0.4	N/A	1.37	
1	L3	VEHICLE LIFT	60898	B	32	10	N/A	B	B		6	6	N/A	N/A	N/A	0.23	N/A	500	LIM	>199	[✓]	0.39	N/A	N/A		0.4	N/A	1.37	
2	L1	COMPRESSOR	60898	B	32	10	N/A	B	B		6	6	N/A	N/A	N/A	0.25	N/A	500	LIM	>199	[✓]	0.41	N/A	N/A		0.4	N/A	1.37	
2	L2	COMPRESSOR	60898	B	32	10	N/A	B	B		6	6	N/A	N/A	N/A	0.25	N/A	500	LIM	>199	[✓]	0.41	N/A	N/A		0.4	N/A	1.37	
2	L3	COMPRESSOR	60898	B	32	10	N/A	B	B		6	6	N/A	N/A	N/A	0.25	N/A	500	LIM	>199	[✓]	0.41	N/A	N/A		0.4	N/A	1.37	
3	L1	VEHICLE EXHAUST	60898	C	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.36	N/A	500	LIM	>199	[✓]	0.52	N/A	N/A		0.4	N/A	1.37	
3	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
3	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
4	L1	16A SOCKETS	61009	B	32	10	30	B	B		4	4	N/A	N/A	N/A	0.23	N/A	500	LIM	>199	[✓]	0.39	39	19	[✓]	0.4	N/A	1667	
4	L2	ISOLATOR	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.36	N/A	500	LIM	>199	[✓]	0.52	N/A	N/A		0.4	N/A	2.73	
4	L3	24V SUPPLY	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	N/A	N/A		0.4	N/A	2.73	
5	L1	UNKNOWN	60898	C	6	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	FI	N/A	500	LIM	LIM		FI	N/A	N/A		0.4	N/A	3.64	
5	L2	GRINDER	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.28	N/A	500	LIM	>199	[✓]	0.44	N/A	N/A		0.4	N/A	2.73	
5	L3	24V SUPPLY	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	N/A	N/A		0.4	N/A	2.73	
6	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
6	L2	PILLAR DRILL	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.26	N/A	500	LIM	>199	[✓]	0.42	N/A	N/A		0.4	N/A	2.73	
6	L3	16A SOCKETS	61009	B	32	10	30	B	B		4	2.5	N/A	N/A	N/A	0.31	N/A	500	LIM	>199	[✓]	0.47	38	18	[✓]	0.4	N/A	1667	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB D

DB Location: LAD WORKSHOP RISER

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.16 Ipf at DB (kA) 2.88 No. of Ways 24

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device							Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)			AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
7	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
7	L2	16A SOCKET	61009	B	32	10	30	B	B		6	4	N/A	N/A	N/A	0.27	N/A	500	LIM	>199	[✓]	0.43	39	19	[✓]	0.4	N/A	1667	
7	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS
DB Reference: DB C
DB Location: LAD WORKSHOP
Company: Wessex Response
Correct polarity of supply confirmed: ✓
Phase sequence confirmed (where appropriate): ✓
Zs at DB (Ω) 0.16 Ipf at DB (kA) 2.88 No. of Ways 48

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP
DB Switch: 5419 Type: N/A
DB Manufacturer/Type: MEMSHIELD 2
Inspected by: M.ESPOSITO
Signature:

Rating: 100
Nominal Voltage: 230/400
Phases: Three Phase

Details of test instruments
Continuity N/A
Insulation Resistance N/A
Earth fault loop impedance N/A
RCD N/A
Earth electrode resistance N/A
Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device					Conductor Details					Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)				AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
1	L1	HAND DRYER MALE	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.39	N/A	500	LIM	>199	[✓]	0.55	N/A	N/A		0.4	N/A	2.73	
1	L2	RADIANT HEATERS	60898	B	16	10	N/A	B	B		4	2.5	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	N/A	N/A		0.4	N/A	2.73	
1	L3	OFFICE SOCKETS	61009	B	32	10	30	B	B		4	2.5	N/A	N/A	N/A	0.46	N/A	500	LIM	>199	[✓]	0.62	39	19	[✓]	0.4	N/A	1667	
2	L1	HAND DRYER FEMALE WC	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.39	N/A	500	LIM	>199	[✓]	0.55	N/A	N/A		0.4	N/A	2.73	
2	L2	UNKNOWN	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	FI	N/A	500	LIM	LIM		FI	N/A	N/A		0.4	N/A	2.73	
2	L3	SOCKETS OFFICE MT	61009	B	32	10	30	B	B		4	2.5	N/A	N/A	N/A	0.31	N/A	500	LIM	>199	[✓]	0.47	38	19	[✓]	0.4	N/A	1667	
3	L1	HEATER MALE WC	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.36	N/A	500	LIM	>199	[✓]	0.52	N/A	N/A		0.4	N/A	2.73	
3	L2	SOCKETS BAY STORE	61009	B	32	10	30	B	B		4	2.5	N/A	N/A	N/A	0.23	N/A	500	LIM	>199	[✓]	0.39	39	19	[✓]	0.4	N/A	1667	
3	L3	SOCKETS TYRE STORE	61009	B	32	10	30	B	B		4	2.5	N/A	N/A	N/A	0.3	N/A	500	LIM	>199	[✓]	0.46	39	18	[✓]	0.4	N/A	1667	
4	L1	HEATER FEMALE W/C	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.26	N/A	500	LIM	>199	[✓]	0.42	N/A	N/A		0.4	N/A	2.73	
4	L2	CONTACTOR CONTROL	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.05	N/A	500	LIM	>199	[✓]	0.21	N/A	N/A		0.4	N/A	3.64	
4	L3	SOCKETS COMPRESSOR ROOM	61009	C	16	10	30	B	B		4	2.5	N/A	N/A	N/A	0.42	N/A	500	LIM	>199	[✓]	0.58	38	18	[✓]	0.4	N/A	1667	
5	L1	SOCKETS BOILER ROOM	61009	B	32	10	30	B	B		4	2.5	N/A	N/A	N/A	0.47	N/A	500	LIM	>199	[✓]	0.63	39	18	[✓]	0.4	N/A	1667	
5	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
5	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
6	L1	WATER HEATER MEZZ	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	N/A	N/A		0.4	N/A	2.73	
6	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
6	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB C

DB Location: LAD WORKSHOP

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.16 Ipf at DB (kA) 2.88 No. of Ways 48

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device					Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)				AFDD		Remarks	
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
7	L1	HYDROBOIL LOCKERS	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.43	N/A	500	LIM	>199	[✓]	0.59	N/A	N/A		0.4	N/A	2.73	
7	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
7	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L1	SHOWER	61009	B	50	10	30	B	B		10	4	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	LIM	LIM	[✓]	0.4	N/A	1667	
8	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
9	L1	SOCKET FRONT OFFICE	60898	B	20	10	N/A	B	B		2.5	2.5	N/A	N/A	N/A	0.32	N/A	500	LIM	>199	[✓]	0.48	N/A	N/A		0.4	N/A	2.19	
9	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
9	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
10	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
10	L2	LIGHTS MAINS CUPBOARD	60898	C	10	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.25	N/A	500	LIM	>199	[✓]	0.41	N/A	N/A		0.4	N/A	2.19	
10	L3	LIGHTS PUMP RM ESCAPE CORRIDOR	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.81	N/A	500	LIM	>199	[✓]	0.97	N/A	N/A		0.4	N/A	3.64	
11	L1	WATER HEATER MALE WC	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.78	N/A	500	LIM	>199	[✓]	0.94	N/A	N/A		0.4	N/A	2.73	
11	L2	LIGHTS WORKSHOP, STORE	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.91	N/A	500	LIM	>199	[✓]	1.07	N/A	N/A		0.4	N/A	3.64	
11	L3	LIGHTS OFFICES	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.99	N/A	500	LIM	>199	[✓]	1.15	N/A	N/A		0.4	N/A	3.64	
12	L1	WATER HEATER FEMALE WC	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.44	N/A	500	LIM	>199	[✓]	0.60	N/A	N/A		0.4	N/A	2.73	
12	L2	LIGHTS WORKSHOP	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.88	N/A	500	LIM	>199	[✓]	1.04	N/A	N/A		0.4	N/A	3.64	
12	L3	LIGHTS COMPRESSOR ROOM	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.66	N/A	500	LIM	>199	[✓]	0.82	N/A	N/A		0.4	N/A	3.64	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB C

DB Location: LAD WORKSHOP

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.16 Ipf at DB (kA) 2.88 No. of Ways 48

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device							Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)			AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
13	L1	HEATER CORRIDOR	60898	B	16	10	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.39	N/A	500	LIM	>199	[✓]	0.55	N/A	N/A		0.4	N/A	2.73	
13	L2	LIGHTS WORKSHOP	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.8	N/A	500	LIM	>199	[✓]	0.96	N/A	N/A		0.4	N/A	3.64	
13	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
14	L1	LIGHTS CORRIDOR, OFFICES	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.68	N/A	500	LIM	>199	[✓]	0.84	N/A	N/A		0.4	N/A	3.64	
14	L2	LIGHTS OVER BENCH	60898	C	6	10	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.54	N/A	500	LIM	>199	[✓]	0.70	N/A	N/A		0.4	N/A	3.64	
14	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
15	L1	ROLLER DOOR	60898	C	16	10	N/A	F	C		2.5	SWA	N/A	N/A	N/A	0.22	N/A	500	LIM	>199	[✓]	0.38	N/A	N/A		0.4	N/A	1.37	
15	L2	ROLLER DOOR	60898	C	16	10	N/A	F	C		2.5	SWA	N/A	N/A	N/A	0.22	N/A	500	LIM	>199	[✓]	0.38	N/A	N/A		0.4	N/A	1.37	
15	L3	ROLLER DOOR	60898	C	16	10	N/A	F	C		2.5	SWA	N/A	N/A	N/A	0.22	N/A	500	LIM	>199	[✓]	0.38	N/A	N/A		0.4	N/A	1.37	
16	L1	ROLLER DOOR	60898	C	16	10	N/A	F	C		2.5	SWA	N/A	N/A	N/A	0.2	N/A	500	LIM	>199	[✓]	0.36	N/A	N/A		0.4	N/A	1.37	
16	L2	ROLLER DOOR	60898	C	16	10	N/A	F	C		2.5	SWA	N/A	N/A	N/A	0.2	N/A	500	LIM	>199	[✓]	0.36	N/A	N/A		0.4	N/A	1.37	
16	L3	ROLLER DOOR	60898	C	16	10	N/A	F	C		2.5	SWA	N/A	N/A	N/A	0.2	N/A	500	LIM	>199	[✓]	0.36	N/A	N/A		0.4	N/A	1.37	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB B

DB Location: ESS OFFICE 15

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.32 Ipf at DB (kA) 1.44 No. of Ways 48

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device							Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)				AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@Ιδn	@5Ιδn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
1	L1	SOCKETS OFFICES	61009	B	32	10	30	D	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.36	N/A	500	LIM	>199	[✓]	0.68	39	18	[✓]	0.4	N/A	1667	
1	L2	SOCKETS EUOTC, RV STORES	61009	B	32	10	30	D	B		4	1.5	N/A	N/A	N/A	0.38	N/A	500	LIM	>199	[✓]	0.70	39	18	[✓]	0.4	N/A	1667	
1	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
2	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
2	L2	SOCKETS SIGNALS WORKSHOP	61009	B	32	10	30	D	B		4	1.5	N/A	N/A	N/A	0.3	N/A	500	LIM	>199	[✓]	0.62	39	18	[✓]	0.4	N/A	1667	
2	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
3	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
3	L2	FANS WORKSHOP	60898	B	16	10	N/A	D	B		2.5	1.5	N/A	N/A	N/A	0.49	N/A	500	LIM	>199	[✓]	0.81	N/A	N/A		0.4	N/A	2.73	
3	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
4	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
4	L2	FANS SIGNALS OFFICES	60898	B	16	10	N/A	D	B		2.5	1.5	N/A	N/A	N/A	0.62	N/A	500	LIM	>199	[✓]	0.94	N/A	N/A		0.4	N/A	2.73	
4	L3	SOCKETS, OFFICES, KITCHEN, CONF RM	61009	B	32	10	30	D	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.36	N/A	500	LIM	>199	[✓]	0.68	38	18	[✓]	0.4	N/A	1667	
5	L1	SOCKETS CONF, CORRIDOR	61009	B	32	10	30	D	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.2	N/A	500	LIM	>199	[✓]	0.52	38	19	[✓]	0.4	N/A	1667	
5	L2	SOCKETS SIGNAL OFFICE	61009	B	32	10	30	D	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.38	N/A	500	LIM	>199	[✓]	0.70	38	19	[✓]	0.4	N/A	1667	
5	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
6	L1	SOCKETS THIS ROOM, FAN	61009	B	32	10	30	D	B		4	1.5	N/A	N/A	N/A	0.19	N/A	500	LIM	>199	[✓]	0.51	39	19	[✓]	0.4	N/A	1667	
6	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
6	L3	ARMS OFFICE, SOCKET BY DB	60898	B	32	10	N/A	D	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.14	N/A	500	LIM	>199	[✓]	0.46	N/A	N/A		0.4	N/A	1.37	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB B

DB Location: ESS OFFICE 15

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.32 Ipf at DB (kA) 1.44 No. of Ways 48

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device							Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)			AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or ✗	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
7	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
7	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
7	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
9	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
9	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
9	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
10	L1	LIGHTS ENTRANCE LOBBY	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.53	N/A	500	LIM	>199	[✓]	0.85	N/A	N/A		0.4	N/A	3.64	
10	L2	LIGHTS EUOTC STORE	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.64	N/A	500	LIM	>199	[✓]	0.96	N/A	N/A		0.4	N/A	3.64	
10	L3	LIGHTS CONFERANCE	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.67	N/A	500	LIM	>199	[✓]	0.99	N/A	N/A		0.4	N/A	3.64	
11	L1	LIGHTS FRONT OFFICES	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.39	N/A	500	LIM	>199	[✓]	0.71	N/A	N/A		0.4	N/A	3.64	
11	L2	LIGHTS RV STORES	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.86	N/A	500	LIM	>199	[✓]	1.18	N/A	N/A		0.4	N/A	3.64	
11	L3	LIGHTS BOILER	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.66	N/A	500	LIM	>199	[✓]	0.98	N/A	N/A		0.4	N/A	3.64	
12	L1	LIGHTS THIS RM, STATIONARY	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.3	N/A	500	LIM	>199	[✓]	0.62	N/A	N/A		0.4	N/A	3.64	
12	L2	LIGHTS SIGNAL STORE	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.55	N/A	500	LIM	>199	[✓]	0.87	N/A	N/A		0.4	N/A	3.64	
12	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB B

DB Location: ESS OFFICE 15

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): ✓

Zs at DB (Ω) 0.32 Ipf at DB (kA) 1.44 No. of Ways 48

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP Rating: 100

DB Switch: 5419 Type: N/A Nominal Voltage: 230/400

DB Manufacturer/Type: MEMSHIELD 2 Phases: Three Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device							Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)			AFDD	Remarks	
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
13	L1	LIGHTS CORRIDOR	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.64	N/A	500	LIM	>199	[✓]	0.96	N/A	N/A		0.4	N/A	3.64	
13	L2	LIGHTS SIGNALS WORKSHOP	60898	C	6	10	N/A	D	B		1.5	1.5	N/A	N/A	N/A	0.53	N/A	500	LIM	>199	[✓]	0.85	N/A	N/A		0.4	N/A	3.64	
13	L3	HUB	60898	C	16	10	N/A	D	B		2.5	2.5	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	N/A	N/A		0.4	N/A	1.37	
14	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
14	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
14	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
15	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
15	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
15	L3	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
16	L1	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
16	L2	SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
16	L3	STORE RING	61009	B	20	10	30	A	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.16	N/A	500	LIM	>199	[✓]	0.48	39	18	[✓]	0.4	N/A	1667	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS
DB Reference: DB A
DB Location: STORES
Company: Wessex Response
Correct polarity of supply confirmed: ✓
Phase sequence confirmed (where appropriate): -
Zs at DB (Ω) 0.33 Ipf at DB (kA) 0.7 No. of Ways 12

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: MP
DB Switch: 5419 Type: N/A
DB Manufacturer/Type: CRABTREE
Inspected by: M.ESPOSITO
Signature:

Rating: 100
Nominal Voltage: 230
Phases: Single Phase

Details of test instruments
Continuity N/A
Insulation Resistance N/A
Earth fault loop impedance N/A
RCD N/A
Earth electrode resistance N/A
Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device					Conductor Details			Ring Continuity (Ω)				(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)			AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
1		SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
2		LIGHTS OFFICE, REST ROOM	3871	1	5	3	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.7	N/A	500	LIM	>199	[✓]	1.03	N/A	N/A		0.4	N/A	11.0	
3		SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
4		LIGHTS	3871	1	5	3	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.82	N/A	500	LIM	>199	[✓]	1.15	N/A	N/A		0.4	N/A	11.0	
5		PLANT RM PANEL	3871	1	15	3	N/A	B	B		6	2.5	N/A	N/A	N/A	0.09	N/A	500	LIM	>199	[✓]	0.42	N/A	N/A		0.4	N/A	3.69	
6		WATER HEATER	3871	1	15	3	N/A	B	B		2.5	1.5	N/A	N/A	N/A	0.25	N/A	500	LIM	>199	[✓]	0.58	N/A	N/A		0.4	N/A	3.69	
7		SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
8		LIGHTS	3871	1	5	3	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.63	N/A	500	LIM	>199	[✓]	0.96	N/A	N/A		0.4	N/A	11.0	
9		LIGHTS	3871	1	5	3	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.75	N/A	500	LIM	>199	[✓]	1.08	N/A	N/A		0.4	N/A	11.0	
10		LIGHTS	3871	1	5	3	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.68	N/A	500	LIM	>199	[✓]	1.01	N/A	N/A		0.4	N/A	11.0	
11		PLANT LIGHTS	3871	1	5	3	N/A	B	B		1.5	1.5	N/A	N/A	N/A	0.61	N/A	500	LIM	>199	[✓]	0.94	N/A	N/A		0.4	N/A	11.0	
12		COMM CAB	3871	1	15	3	N/A	B	B		2.5	2.5	N/A	N/A	N/A	LIM	N/A	500	LIM	LIM	[✓]	LIM	N/A	N/A		0.4	N/A	3.69	

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 6452

Occupier: BUILDING 22 WYVERN BARRACKS

DB Reference: DB 1A

DB Location: STORES

Company: Wessex Response

Correct polarity of supply confirmed: ✓

Phase sequence confirmed (where appropriate): -

Zs at DB (Ω) 0.33 Ipf at DB (kA) 0.7 No. of Ways 6

Circuits and/or installed equipment vulnerable to damage when testing:

Fed from: ISOLATOR Rating: 100

DB Switch: 60947 Type: 3 Nominal Voltage: 230

DB Manufacturer/Type: CPN Phases: Single Phase

Inspected by: M.ESPOSITO

Signature:

Details of test instruments

Continuity N/A

Insulation Resistance N/A

Earth fault loop impedance N/A

RCD N/A

Earth electrode resistance N/A

Multifunction 101356211

15/01/2020

- Red cell indicates Over CCC
- Red cell indicates Max Zs exceeded

			Protective Device							Conductor Details			Ring Continuity (Ω)			(R1+R2) or R2 (Ω)		-----	Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)				AFDD		Remarks
Circuit Number	Line Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD (ma)	Type of Wiring	Reference Method	Ring (✓)	Live (mm2)	Cpc (mm2)	r1 (Line)	rn (Neutral)	r2 (Cpc)	(R1 + R2)	R2	V (Insulation resistance test ✓)	Live - Live	Live - E	✓ or X	Ω	@IΔn	@5IΔn	Test button operation ✓	Disconnection Time	Manual AFDD test button ope	Maximum Permitted Zs (Ω)	Observations
1		SOCKETS KITCHEN STORE	61009	C	32	10	30	A	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.3	N/A	500	LIM	>199	[✓]	0.63	19	19	[✓]	0.4	N/A	1667	
2		SOCKETS STORE RM	61009	C	32	10	30	A	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.25	N/A	500	LIM	>199	[✓]	0.58	19	19	[✓]	0.4	N/A	1667	
3		SOCKETS OFFICE	61009	C	32	10	30	A	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.38	N/A	500	LIM	>199	[✓]	0.71	19	19	[✓]	0.4	N/A	1667	
4		SOCKET WASHER DRYER	61009	C	32	10	30	A	B	[✓]	2.5	1.5	N/V	N/V	N/V	0.35	N/A	500	LIM	>199	[✓]	0.68	19	19	[✓]	0.4	N/A	1667	
5		SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					
6		SPARE	--	--	--	--	--		--		--	--	--	--	--	--	--	--	--	--		--	--	--					

B22 WYVERN BARRACKS

These schematics were created using U-Certify Electrics Pro as approximate estimates and should not be taken as exact.