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WEBSTER THOMAS ELECTRICAL LTD

**Electrical Contracting Engineers** 

Certsure LLP operates the NICEIC & ELECSA brands

UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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IPR18

## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTAL	LATION			
DETAILS OF THE CONTRACTOR	DETAILS OF THE CLIENT		<b>DETAILS OF THE INSTAL</b>	LATION
Registration No: 026620 Branch No:	Contractor Reference Number (CRN):		Occupier: <default address=""></default>	
Trading Title: WEBSTER THOMAS ELECTRICAL LTD	Name: St Dunstans OPCo Ltd		Address: 20 St Dunstans Hill, I	London
Address: UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD , ROCHESTER, KENT	Address: 20 St Dunstans Hill, London			
Postcode: ME1 1PH Tel No: 01634 818074	Postcode: EC3R 8HL Tel No:		Postcode: EC3R 8HL	Tel No:
PART 2 : PURPOSE OF THE REPORT				
<b>Purpose for which this report is required:</b> TO CARRY OUT AS PER CLIENT REQUEST FOR ONGOING HEALTH AND SAFET	Υ.			(see additional page No. <u>N/A</u> )
Date(s) when inspection and testing was carried out: (28/10/2019	) Records availabl	e: ( <u>Yes</u> ) Previous ins	pection report available: (Yes	) Previous report date: (03/09/2015_)
PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATIO	N			
General condition of the installation (in terms of electrical safety): GOOD				(see additional page No. <u>N/A</u> )
	e of additions or alterations: ( <u>Yes</u> )	Overall assessment	t of the installation is: Satisfa	ctory
PART 4 : DECLARATION				
INSPECTION AND TESTING				
I, being the person responsible for the inspection and testing of the electrica existing installation, hereby CERTIFY that the information in this report, includin stated extent of the installation and the limitations on the inspection and testin	ng the observations (page 2) and the attach			
Name (capitals): GARY BARDRICK	Signature:	66	Date: 28/11/2019	
REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR	THE APPROVED CONTRACTOR	$\bigcirc$		
Name (capitals): OWEN THOMAS	Signature:		Date: 28/11/2019	
*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dang	nerous (CODE C2) conditions have been identified	in PART 6, or that Further Investigation (COL	DE FI) without delay is required.	
This report is based on the model forms shown in Appendix 6 of BS 7671 Published by Carteura LLP	© Copyright Corteuro II P ( July 2019)		Please s	ee the 'Notes for Recipient' Page 1 of 33

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CODE C3

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#### PART 5 : NEXT INSPECTION

I/We (as indicated on page 1) recommend, subject to the necessary remedial work being taken, this installation should be further inspected and tested after an interval of not more than

#### Give reason for recommendation:

(see additional page No. N/A)

#### PART 6 : OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

CODES: One of the following Codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the electrical installation the degree of urgency for remedial action

CODE C1 'Danger Present' Risk of injury. Immediate remedial action required

**CODE C2** 'Potentially Dangerous' Urgent remedial action required

CODE FI 'Further Investigation Required' 'Improvement Recommended'

#### Referring to the Schedule of Items Inspected (see PART 10), the attached Schedule of Circuit Details and Test Results (see PART 12), and subject to any agreed limitations listed in PART 7:

There are no items adversely affecting electrical safety  $\Box$ , OR The following observations and recommendations for action are made:

Item No	Observation(s)	Code	Location Reference
1	UNABLE TO REACH SPUR ABOVE CEILING	C3	DB/W/SP/GND 4L3
2	UNKNOWN CIRCUIT IDENTIFIED AS TV'S	С3	DB/W/SP/GND 4L1
3	NO MEANS OF ISOLATION ON CIRCUIT	С3	DB/E/SP/GND 3L2
4	UNKNOWN CIRCUIT IDENTIFIED AS TV'S	С3	DB/SP/LG 3L2

Additional pages? (N/A ) State page numbers: (N/A		
Immediate action required for items: (	) Improvement recom	mended for items: (1, 2, 3, 4
Urgent remedial action required for items: (	) Further investigation	n required for items: (

\*The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.



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PART 7 : DETAILS AND LIMITATIONS	OF THE INSPECTION AND TES	STING												
The inspection and testing has been carried ou generally within the fabric of the building or un Details of the installation covered by this repo	derground, have not been visually insp						r floors, in inaccess	ible roof spaces	; and					
TO INSPECT AND TEST THE FOLLOWING BOA DB/SP/LG, DB/W/SP/B, DB/W/LT/B, DB/W/LT/G Agreed limitations including the reasons, if an	RD: DB/LT/LG, DB/W/LT/1, DB/W/SP/1, GND.	, DB/W/SP/	GND, DB/E/LT/GND, DB/E/SP/	/GND, DB/E/SP/1,	DB/E/LT/1, DB/W	//SP/2, DB/W/LT/2, DB/E/5	SP/2, DB/E/LT/2,	(see additi	onal page No. <u>N/A</u> )					
30% OF INSTALLATION TESTED AS AGREED V		HE BOARD	S IN 1YEARS TIME.			Agreed	with (print name):		onal page No. <u>N/A</u> )					
Extent of sampling: Operational limitations including the reasons:									onal page No. <u>N/A)</u> onal page No. <u>N/A)</u>					
PART 8 : SUPPLY CHARACTERISTICS	AND EARTHING ARRANGEME	ENTS												
System type and earthing arrangements         TN-C-S:       TN-S:         Other (state):         Supply protective device         (BS (EN) 88         Type:       (JS	Actional limitations including the reasons:         Actional limitations including the reasons:         Action and type of live conductors       Nature of supply parameters         Bern type and earthing arrangements       Number and type of live conductors       Nature of supply parameters         C-S:       TN-S:       TT:       Action and type of live conductors       Nominal line voltage, $\mathcal{U}^{(1)}$ :         Action of supply protective device       Dc       2-wire:       3-phase, 3-wire:       Other:       Nominal line voltage to Earth, $\mathcal{U}_0^{(1)}$ :         Dc       2-wire:       3-wire:       Other:       Other:       Prospective fault current, $\mathcal{I}_{pf}^{(1)*}$ :													
PART 9 : PARTICULARS OF INSTALLA	TION REFERRED TO IN THIS CE	ERTIFICA	<b>\TE</b>											
Means of EarthingDistributor's facility:( ✓ )Installation earth electrode:( )	Main protective conductorsEarthing conductor:(material Coppercsa 300	0 mm²)	Main protective bonding con Water installation pipes: Gas installation pipes: Structural steel:	nnections (     ) (     ) (    )	Main switch / S Type: Location: No. of poles:	Switch-fuse / Circuit-bre (BS (EN) <u>60947-2</u> (		ting of device:	) ) ( )A					
Where an earth electrode is used insert           Type - rod(s), tape, etc:         ()           Location:         ()	Connection / continuity verified: Main protective bonding conductors:		Oil installation pipes: Lightning protection: Other <i>(state)</i> :	( ) ( ~ )	Current rating:	`······	Voltage rati	0	( <u>230</u> )V					
Electrode resistance to Earth: () Ω	(material <u>Copper</u> csa <u>50</u> Connection / continuity verified:	mm²)				dual operating current, $I_{g}$ , rating time: () ms	7: Rated time	delay:	() mA () ms					

\*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, lpf, and external earth fault loop impedance, Ze, must be recorded.

All fields must be completed. Enter either, as appropriate: ' /' if Acceptable condition; 'WA' if Not applicable;

'LIM' if a Limitation exists; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached



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1. External condition of electrical inteks againment (visual inspection only) 1.4. Other methods of protection

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 $(N/\Lambda) + 5.24$  Single-pole switching or protective devices in line conductors only: (-4)

#### PART 10 : SCHEDULE OF ITEMS INSPECTED

1. External condition of electrical intake equipment (visual inspection only)	4. Other methods of protection (N/	A) 5.24 Single-pole switching or protective devices in line conductors only: ( $\checkmark$ )
(If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority.)	Details should be provided on separate sheets: Page No. (	) 5.25 Protection against mechanical damage where cables enter equipment: ( )
1.1 Service cable: $(\checkmark)$ 1.2 Service head: $(\checkmark)$	5. Distribution equipment	5.26 Protection against electromagnetic effects where cables
1.3 Earthing arrangement: $(\checkmark)$ 1.4 Meter tails: $(\checkmark)$	5.1 Adequacy of working space / accessibility of equipment:	enter ferrromagnetic enclosures:
1.5 Metering equipment: ( $\checkmark$ ) 1.6 Isolator (where present): ( $\checkmark$ )	<ul> <li>5.2 Security of fixing: (</li> <li>5.3 Condition of insulation of live parts: (</li> </ul>	6. Distribution / final circuits
2. Presence of adequate arrangements for parallel or switched	5.4 Adequacy / security of barriers:	6.1 Identification of conductors:
alternative sources	···· ·································	6.2 Cables correctly supported throughout their length: $(\checkmark)$
2.1 Adequate arrangements where a generating set operates		6.3 Condition of insulation of live parts:
as a switched alternative to the public supply: (N/A)	5.6 Condition of enclosure(s) in terms of fire rating:	0.4 Non-sheathed cables protected by
2.2 Adequate arrangements where generating set operates in parallel with the public supply: (N/A)	5.7 Enclosure not damaged / deteriorated so as to impair safety: ( $\checkmark$	enclosures in conduit, ducting or trunking:
parallel with the public supply.	5.8 Presence and effectiveness of obstacles: (N/	Suitability of containment systems for continued use
2.3 Presence of alternative / additional supply arrangement warning notice(s) at or near equipment, where required: (N/A)	5.9 Presence of main switch(es), linked where required: ( 🗸	
	5.10 Operation of main switch(es) (functional check): ( 🗸	<ul> <li>6.6 Cables correctly terminated in enclosures (indicate extent of sampling in PART 7 of report);</li> </ul>
3. Automatic disconnection of supply 3.1 Main earthing and bonding arrangements	5.11 Correct identification of circuit protective devices: ( $\checkmark$	(indicate extent of sampling in PART 7 of report): ( ) 6.7 Indication of SPD(s) continued functionality confirmed: ( )
a) Presence and condition of distributor's earthing arrangement: $(\checkmark)$	5.12 Adequacy of protective devices for prospective fault current: ( $\checkmark$	
b) Presence and condition of earth electrode arrangement,	5.13 RCD(s) provided for fault protection – includes RCBOs: (	
if present: $(\checkmark)$	5.14 RCD(s) provided for additional protection – includes RCBOs: (	Commuted intervention connections, metalling
c) Adequacy of earthing conductor size: ( 🗸 )	5.15 RCD(s) provided for protection against fire – includes RCBOs: (N/	and are tight and secure: ( 🗸 )
d) Adequacy of earthing conductor connections: ( 🗸 )		<sup>6.10</sup> Examination of cables for signs of unacceptable thermal and
e) Accessibility of earthing conductor connections:	5.16 Manual operation of circuit-breakers and RCDs to prove disconnection:	mechanical damage / deterioration:
	5.17 Confirmation that integral test button/switch causes RCD(s)	• Adequacy of cables for current-carrying capacity with regard
f) Adequacy of main protective bonding conductor size(s): ( $\checkmark$ )	to trip when operated (functional check)	
g) Adequacy of main protective bonding conductor connections: ( $\checkmark$ )	5.18 Presence of RCD six-monthly retest notice at or near	6.12 Adequacy of protective devices; type and rated current for fault protection:
h) Accessibility of main protective bonding connections: ( $\checkmark$ )	equipment, where required:	6.13 Presence and adequacy of circuit protective conductors:
i) Accessibility and condition of other protective	5.19 Presence of diagrams, charts or schedules at or near equipment,	
bonding connections: ( 🗸 )	where required:	<ul> <li>6.14 Co-ordination between conductors and overload protective devices: ( </li> </ul>
j) Provision of earthing / bonding labels at all	5.20 Presence of non-standard (mixed) cable colour warning notices,	
appropriate locations: $(\checkmark)$	at or near equipment, where required:	
3.2 FELV	5.21 Presence of next inspection recommendation label:	
a) Source providing at least simple separation: (N/A)	5.22 All other required labelling provided: (	<ul> <li>6.16 Cables where exposed to direct sunlight, of a suitable type or adequately protected against solar radiation:</li> </ul>
b) Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises: (N/A)	5.23 Compatibility of protective device(s), base(s) and other components: (N/	

All fields must be completed. Enter either, as appropriate: ' 🗸 if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached

numbered sheets)



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#### PART 10 : SCHEDULE OF ITEMS INSPECTED

6.18 Provision of additional protection by an RCD not exceeding 30 mA	6	5.26 Single-pole switching or protective devices in		8. Current-using equipment (permanently connected)	
a) For all socket-outlets with a rated current not exceeding 32 A,		line conductors only:	(~)	8.1 Condition of equipment in terms of IP rating:	(~)
uness exempt.	✓) [ <sup>6</sup>	<sup>227</sup> Adequacy of connections, including cpcs, within accessories	(~)	8.2 Equipment does not constitute a fire hazard:	(~)
b) Supplies for mobile equipment with a rated current not	V/A) 7	and to fixed and stationary equipment: /. Isolation and switching		8.3 Enclosure not damaged / deteriorated so as to impair safety:	(~)
exceeding 32 A for use outdoors: (N c) For cables concealed in walls / partitions at a depth of less		1. Isolators		8.4 Suitability for the environment and external influences:	(~)
	<b>~</b> )	a) Presence and condition of appropriate devices:	$(\checkmark)$	8.5 Security of fixing:	(~)
d) For cables concealed in walls / partitions containing metal		b) Acceptable location (local / remote):	(~)	8.6 Cable entry holes in ceiling above luminaires, sized or sealed	(~)
parts regardless of depth: (N	N/A)	c) Capable of being secured in the OFF position:	$(\checkmark)$	so as to restrict the spread of fire: List number and location of luminaires inspected	(• /
e) Circuits supplying luminaires within domestic		d) Correct operation verified:	$(\checkmark)$	on a separate page: Page N	io. ( )
(nousenou) premises.	N/A)	e) Clearly identified by position and / or durable markings:	$(\checkmark)$	8.7 Recessed luminaires (e.g. downlighters)	
Note: Older installations designed prior to BS 7671: 2018 may not have been provided with RCDs for additional protection.	d	f) Warning label posted in situations where live parts cannot	(• /	a) Correct type of lamps fitted:	(~)
6.19 Provision of fire barriers, sealing arrangements and protection		be isolated by the operation of a single device:	( 🗸 )	b) Installed to minimise build-up of heat:	(~)
against thermal effects:	✓) 7	2.2 Switching off for mechanical maintenance		c) No signs of overheating to surrounding building fabric:	(~)
6.20 Band II cables segregated / separated from Band I cables: ( 、	<b>~</b> )	a) Presence and condition of appropriate devices:	(~)	d) No signs of overheating to conductors / terminations:	(~)
6.21 Cables segregated / separated from non-electrical services: (、	<b>~</b> )	b) Acceptable location:	(C3)	9. List all special installations or locations covered by this report:	
6.22 Termination of cables at enclosures		c) Capable of being secured in the OFF position:	(~)		(N/A)
(indicate extent of sampling in PART 7 of report)		d) Correct operation verified:	(~)		(N/A)
	~)	e) Clearly identified by position and / or durable marking(s):	$(\checkmark)$		(N/A)
b) No basic insulation of a conductor, visible outside an enclosure:	v) 7	2.3 Emergency switching off / stopping			(N/A)
	~)	a) Presence and condition of appropriate devices:	(N/A)	Indicate if the relevant requirements of Part 7 are satisfied and append results	<i>r</i>
	<b>v</b> )	b) Readily accessible for operation where danger might occur:	(N/A)	of inspection on a separate numbered page.	
	~)	c) Correct operation verified:	(N/A)	SCHEDULE OF ITEMS INSPECTED BY	
6.24 Condition of accessories including socket-outlets, switches		'.4 Functional switching		Name (capitals):	
and joint boxes satisfactory:	<b>~</b> )	a) Presence and condition of appropriate devices:	(N/A)		
6.25 Suitability of accessories for external influences: (	<b>~</b> )	b) Correct operation (functionality) verified:	(N/A)	Signature: Date:	

#### **PART 11 : SCHEDULES AND ADDITIONAL PAGES**

Schedule of Inspections			Schedule of Circuit Test Results for the			Additional pages, incl sheets for additional s	v	Special installations of <i>(indicated in item 9. ab</i>		Continuation sheets	
Page No(s):	(	4 & 5	) Page No(s):	(	6)	Page No(s):	()	Page No(s):	()	Page No(s):	( <u>N/A</u> )
				The pa	ges identified are	an essential part of this re	port (see Regulation 653.2).				

All fields must be completed. Enter either, as appropriate: ' 🗸 if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

ts; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	AILS /	AND	TEST	RES	ULTS		Circuits/equipment v	ulnera	able to	damag	e whe	n testing												
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic (	lastic cab conduit	les in (		netallic co	cables in Induit	(D) Thermoplastic cables in (I metallic trunking	E) Thern non-n	noplastic c netallic tru	ables in nking		moplastic / SV	VA cables	(G) <sup>Thermose</sup>	tting / SWA c	ables (H)	Mineral-insul	ated cable	s <b>(0)</b> otl	ner - state	LSX MULTICO	RE CABLING		
	Circuit description		po	erved		cuit ctor csa	ion (	Protective	device			RCD	tted d te*		Circui	t impedanc	es (Ω)		Insu	lation resi	stance	earth Ice, Zs	RCD operating	Tes butto	-
Circuit number		Type of wiring (see Codes)	Reference Metho (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	(mea	final circuits sured end to	o end)	All cir (complet one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth fault loop impedance, Zs	time		
				Ñ	Live (mm <sup>2</sup> )	cpc (mm²)				(A)	∽ (kA)	(mA)	 (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	aj s (Ω)	(ms)	RCD	4FDD
1/L1	LIGHTING LCM'S - LIFT LOBBY	0	В	1			0.4	60898 MCB	С	10	10		2.19				0.18		>200	>200	>200	✓ 0.36			
1/L2	LIGHTING LCM'S - WC	0	В	1	2.5	2.5	0.4	61009 RCD/RCBO	С	10	10	30	2.19				0.20		>200	>200	>200	<b>√</b> 0.38	27.7	$\checkmark$	
1/L3	STORE ROOM	0	В	1	2.5	2.5	0.4	61009 RCD/RCBO	С	10	10	30	2.19				0.37		>200	>200	>200	<b>√</b> 0.54	28.7	$\checkmark$	
2/L1	LIGHTING LCM'S - DIMMER MODULE MIDDLE	D	В	18	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.01		>200	>200	>200	✓ <sup>0.16</sup>			
2/L2	LIGHTING LCM'S - DIMMER MODULE TOP	D	В	24	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.01		>200	>200	>200	✓ <sup>0.16</sup>			
2/L3 LIGHTING - CORRIDOR PIR 0 B 7 2.5 2.5 0.4 60898 MCB C 10 10 2.19 0 0.70 >200 >200 >200 0 0.81 3/L1 LIGHTING - AREA CONTROLLERS D B 2 2.5 2.5 0.4 60898 MCB C 10 10 2.19 0 0.01 >200 >200 0 0.12 0.12																									
3/L1 LIGHTING - AREA CONTROLLERS D B 2 2.5 2.5 0.4 60898 MCB C 10 10 2.19 D 0.01 >200 3/L2 LIGHTING - CORRIDOR FAR END O B 19 2.5 2.5 0.4 60898 MCB C 10 10 2.19 D 0.84 >200															>200	>200	>200	<b>√</b> 0.12							
3/L1       LIGHTING - AREA CONTROLLERS       D       B       2       2.5       0.4       60898       MCB       C       10       10       2.19       D.01       >200       >200       >0.12         3/L2       LIGHTING - CORRIDOR FAR END       O       B       19       2.5       0.4       60898       MCB       C       10       10       2.19       D.01       >200       >200       >0.9       0.93         3/L3       LIGHTING LCM'S - MEETING ROOMS       O       B       3       2.5       0.4       60898       MCB       C       10       10       2.19       D.84       >200       >200       >0.93       2.13         3/L3       LIGHTING LCM'S - MEETING ROOMS       O       B       3       2.5       0.4       60898       MCB       C       10       10       2.19       D.32       >200       >200       >200       >0.4       0.43																									
3/L2       LIGHTING - CORRIDOR FAR END       0       B       19       2.5       0.4       60898       MCB       C       10       10       2.19       0.84       >200       >200       >0       0       0       0       3/L3       LIGHTING LCM'S - MEETING ROOMS       0       B       3       2.5       0.4       60898       MCB       C       10       10       2.19       0.32       >200       >200       >0.43       0       0       0       0       0.32       >200       >200       >0.43       0       0       0       0       0       0.32       >200       >200       >0.43       0 <td></td>																									
3/L2       LIGHTING - CORRIDOR FAR END       0       B       19       2.5       0.4       60898 MCB       C       10       10       2.19       0.84       >200       >200       >200       0.93																									
	LIGHTING - CORRIDOR MAIN END	0	В	18	2.5	2.5	0.4	60898 MCB	С	6	10		3.64				0.32		>200	>200	>200	✓ 0.96			
4/L3	LIGHTING LCM'S - MEETING ROOMS	0	В	2	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.68		>200	>200	>200	<b>√</b> 0.78			
5/L1	LIGHTING AC OUTSIDE	0	В	1		2.5	0.4	60898 MCB	С	6	10		3.64				0.56		>200	>200	>200	<b>√</b> 0.64			
	CORRIDOR LED STRIP	0	В	2	2.5	2.5	0.4	60898 MCB	D	16	10		0.68				0.52		>200	>200	>200	<b>√</b> 0.62			
5/L3	KITCHEN SALON LIGHTS	0	В	2	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.55		>200	>200	>200	<b>√</b> 0.65			
6/L1	KWH METER	D	В	1	1.0	1.0	0.4	60898 MCB	С	2	10		10.93				0.01		>200	>200	>200	<b>√</b> 0.10			
6/L2	KWH METER	D	В	1	1.0	1.0	0.4	60898 MCB	С	2	10		10.93				0.01		>200	>200	>200	<b>√</b> 0.10			
6/L3	KWH METER	D	В	1	1.0	1.0	0.4	60898 MCB	С	2	10		10.93				0.01		>200	>200	>200	<b>√</b> 0.10			
	RIBUTION BOARD (DB) DETAILS e completed in every case)		design ation o					OOR STORE	TED				ils): <u>GAR</u>		RICK					n: <u>APPR</u> 28/10/20		ECTRICIA	N		
	E COMPLETED ONLY IF THE DB IS				TED		CTI V		Е ТНЕ		ΓΛΙΙΛ	TION					TEST	INSTR	UMEN	ITS					一
																.	(enter s	erial nu	mber a		ach inst	rument us	ed)		
Supp	y to DB is from: (MCCB 2							) Nomina	al volt	age: (4	00	)V	No. of	phases:	(3	)		unction:			, Co	ontinuity:			,
Overo	urrent protection device for the distributio	on circ	cuit Ty	ype: (B	BS EN	60947	-2		) Rat	ting: ( <u>1</u>	00	.)A					(101217	148 ion resis	+		) (	rth fault lo	on impode		)
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	)	<u>a</u> n (		_) mA	Operati	ng time:	(	) ms	(				) (		oh uuhens	ince.	)
Chara	cteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	) F	Phase	sequer	ice confirmed (where a	approp	riate):	$\checkmark$	Zs (	0.10	.)Ω 	( <u>3.91</u>	) kA	∟artn e (	lectrode	e resista	ance:	) ( <u></u>	D:			)
													71, state s								)				
	ort is based on the model forms shown in Append ad by Certsure LLP Certsure LLP operation				ECSA b	rands		© Copyright Certsure LL	-		Kon non	50,01	1, 51010 5	ouroo. ( <u>.</u>							)		Page	6 of	33



Electrical Contracting Engineers

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IPR18

## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	AILS /	AND	TEST	RES	ULTS		Circuits/equipment v	ulnera	able to	damag	e whei	n testing:	:												
CODE	S For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cab conduit	les in (	C) Thern non-n	noplastic netallic co	cables in Induit	(D) Thermoplastic cables in (E metallic trunking	) Therr non-r	noplastic c netallic tru	ables in nking	(F) Therr	noplastic / SV	VA cables	(G)Thermose	etting / SWA c	ables (H)	Mineral-insu	lated cables	<b>(0)</b> oth	er - state	LSX M	ULTICO	RE CABLING		
_	Circuit description		po	erved		cuit ctor csa	ion (	Protective	device			RCD	ted J te*		Circu	it impedanc	es (Ω)		Insul	ation resi	stance	, net	ice, Zs	RCD operating	Tes butto	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Туре	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	Ring (mea	final circuit	o end)		rcuits e at least blumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	fault loop impedance, Zs	time	RCD	
				Ň	Live (mm²)	cpc (mm²)	(s)			(A)	(kA)	(mA)	 (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R₂	(MΩ)	(MΩ)	(V)		 (Ω)	(ms)	NUD	AFUU
1/L1	LIGHTING LCM - CORRIDOR	0	В	7	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.60		>200	>200	>200	$\checkmark$	).80			
1/L2	LIGHTING LCM - ROOM 1.01,1.02	0	В	2	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.39		>200	>200	>200	$\checkmark$				
1/L3	LIGHTING LCM - ROOM 1.16	0	В	3	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.39		>200	>200	>200	$\checkmark$				
2/L1	LIGHTING LCM - CORRIDOR	0	В	5			0.4	60898 MCB	C	10	10		2.19				0.68		>200	>200		<b>√</b> 0	).66			
2/L2	LIGHTING LCM - ROOM 1.18, 1.19	0	В	3	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.61		>200	>200	>200	~0				
2/L3	LIGHTING LCM - WC																0.60		>200	>200	>200	$\checkmark$	).58	38.8		
3/L1	SPARE																									
3/L2	LIGHTING LCM - LIFT LOBBY, DISABLED WC	RE       Image: Constraint of the state of															0.53		>200	>200	>200	~0	).56	38.8		
3/L3	/L2       LIGHTING LCM - LIFT LOBBY, DISABLED       0       B       2       2.5       2.5       0.4       61009 RCD/RCBO       C       10       10       2.19       0.53       >200       >200       0.56       38.8       0         /L3       LIGHTING - LIFT ENTRANCE       0       B       1       2.5       2.5       0.4       60898 MCB       C       10       10       2.19       0.39       >200       >200       0.49       0.49       0       0       0       0.39       >200       >200       0.49       0.49       0       0       0       0       0.39       >200       >200       0.49       0.49       0       0       0       0.39       >200       >200       0.49       0       0       0       0       0       0.39       >200       >200       0       0.49       0       0       0       0       0       0       0       0       0.39       >200       >200       <																									
4/L1	SPARE																					$\square$				
4/L2	SPARE																					$\square$				
4/L3	SPARE																					$\square$				
5/L1	LIGHTING - CORRIDOR PIR CONTROL	0	В	7	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.41		>200	>200	>200	~0	).44			
5/L2	SPARE																					Π				
5/L3	SPARE																				<u> </u>	$\square$				
6/L1	KWH METER	D	В	1	2.5	2.5	0.4	60898 MCB	С	2	10		10.93									$\square$			$\rightarrow$	
6/L2	KWH METER	D	В	1	2.5	2.5	0.4	60898 MCB	С	2	10		10.93									$\square$				
6/L3	KWH METER	D	В	1	2.5	2.5	0.4	60898 MCB	С	2	10		10.93									H				
	FRIBUTION BOARD (DB) DETAILS be completed in every case)		-	ation: of DB:			- 1ST I		TED				ls): <u>GAR</u>		ORICK				Position Date: <u>2</u>		OVED EL 19	ECT	RICIAI	١		
<b>TO</b> I	BE COMPLETED ONLY IF THE DB IS	S NO	T COI	NNEC	TED	DIRE	CTLY	TO THE ORIGIN OF	THE	INS	TALLA	TION	l				TEST		UMEN	TS nainst e	ach inst	rum	ant us	(he		
Supp	ly to DB is from: (RISING BUSBAR TAP OFF	=						) Nomina	ıl volt	age: (4	100	_)V	No. of	phases:	( <u>3</u>	)	Multi-f	unction:		jamət G		ontinu		, u j		,
	current protection device for the distributio											_)A					( <u>101217</u> Insulat	ion resis	stance:		) ( <u>.</u> Ea	rth f	ault lo	op impeda	ance:	)
	ciated RCD (if any) Type: (BS EN												Operati			) ms	( Earth e	lectrode	e resista	ince:	) ( R(	CD:				)
Char	acteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	) F	Phase	sequer								(5.7	) kA	(				) (					)
	oort is based on the model forms shown in Appended by Certsure LLP Certsure LLP oper				ECSA b	rands		*Where f © Copyright Certsure LLI	•		ken from	n BS 767	1, state s	ource: (							)			Page	7 of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	AILS /	AND	TEST	RES	ULTS		Circuits/equipment vu	Inera	able to	damag	e whe	n testing	:											
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic (	lastic cab conduit	les in (	C) Therr	noplastic netallic co	cables in Induit	(D) Thermoplastic cables in metallic trunking (E)	) Therr non-r	noplastic ca netallic trur	ables in nking	(F) Ther	moplastic / SV	VA cables	(G) <sup>Thermos</sup>	etting / SWA	cables (H)	Mineral-insul	ated cables	(0) otł	her - state	LSX MUL	FICORE CABLIN	3	
	Circuit description		po	erved		cuit ctor csa	uo	Protective of	device			RCD	bed *e		Circu	iit impedan	ces (Ω)		Insul	lation resi	stance	arth	RCD operating	Te	est tons
Circuit number		Type of wiring (see Codes)	Reference Metho (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	Ring (mea	i final circuit asured end t	to end)		rcuits e at least blumn)	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth	time		
				Nur	Live (mm²)	cpc (mm²)	(s)			(A)	ぶ (kA)	(mA)	2 – (Ω)	(Line) rı	(Neutral) rn	(срс) г2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	2	Ω) (ms)	RCD	AFDD
	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.50		>200	>200	>200	<b>√</b> 0.3	3 29	$\checkmark$	
1/L2	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.25		>200	>200	>200	<b>√</b> 0.2	2 28.8	$\checkmark$	
1/L3	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.87		>200	>200	>200	✓ 0.5	5 28.8	$\checkmark$	
2/L1	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.19		>200	>200	>200	<b>√</b> 0.1	4 29	$\checkmark$	
2/L2	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.35		>200	>200	>200	<b>√</b> 0.2	4 28.8	$\checkmark$	
2/L3	UNDERFLOOR POWER TRACK	LOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30 0.68 RS SOCKET G B 1 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.53 0.1															0.35		>200	>200	>200	✓ 0.3	1 28.8	$\checkmark$	
3/L1	UNDERFLOOR POWER TRACK	XFLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30 0.68 ERS SOCKET G B 1 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.53 0.4															0.52		>200	>200	>200	<b>√</b> 0.4	5 28.8	$\checkmark$	
3/L2	CLEANERS SOCKET	FLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30 0.68 FRS SOCKET G B 1 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.53														0.48	0.28		>200	>200	>200	<b>√</b> 0.2	2 28.8	$\checkmark$	
3/L3	ANERS SOCKET G B 1 4 4 0.4 61009 RCD/RCBO C 32 10 30 0.68 0.53 0.4 ND DRYERS - WC + DISABLED G B 3 4 4 0.4 60898 MCB C 32 10 30 0.68 0.47 0.4															0.47	0.20		>200	>200	>200	,0.2	7		
	CLEANERS SOCKET       G       B       1       4       0.4       61009 RCD/RCBO       C       32       10       30       0.68       0.53       0.53         HAND DRYERS - WC + DISABLED       G       B       3       4       4       0.4       60898 MCB       C       32       10       30       0.68       0.47       0.47         WC																					<b>Y</b>			
	3/L2       CLEANERS SOCKET       G       B       1       4       0.4       61009 RCD/RCBO       C       32       10       30       0.68       0.53       0.53       0.48       0.28       >200       >200       0.22       28.8       <         3/L3       HAND DRYERS - WC + DISABLED       G       B       3       4       4       0.4       60898 MCB       C       32       10       30       0.68       0.47       0.47       0.47       0.20       >200       >200       0.22       28.8        0         WC       WC       N       0.48       0.48       0.48       0.48       0.48       0.47       0.47       0.47       0.40       0.20       >200       >200       0       0       0       0       0.68       0.47																								
	EXTRACT FAN	_	_						-													×		$\downarrow$	$ \square$
	ACCESS CONTROL	G	В	1	4	4	0.4	60898 MCB	С	32	10	30	0.68	0.27	0.27	0.27	0.11		>200	>200	>200	<b>√</b> 0.1	6	$\square$	
4/L3																				<u> </u>	<b>_</b>			$\square$	
5/L1																	<b></b>			<b></b>	<b>_</b>			$\square$	$\square$
5/L2																				<b></b>	<b>_</b>			$\square$	
5/L3																	<b> </b>			<b></b>	<b>_</b>			$\square$	
6/L1																	<b></b>			<b></b>				$\downarrow$	
6/L2																				<u> </u>	<b>_</b>			$\downarrow$	$\square$
6/L3																	<b></b>			<u> </u>	<b>_</b>			$\square$	
7/L1																									
піст	RIBUTION BOARD (DB) DETAILS	DB	design	ation:	DB/W	/SP/1		I TES	ΓED	BY	Name	(capita	als): GAR	Y BAR	DRICK				Position	1: APPR	OVED EI	LECTRI	CIAN		
			-				- 1ST F						10												
(to D	e completed in every case)	LUUG		IDD.	VVESI	NISER	- 131 1	LUUN			Signat	ure. d	E	>						8/10/201	19				
TO B	E COMPLETED ONLY IF THE DB IS	S NO	T COI	NNEC	TED	DIRE	CTLY	TO THE ORIGIN OF	THE	INST	<b>TALLA</b>	TION	1								each inst		(hoou)		
Suppl	y to DB is from: (RISING BUSBAR TAP OFF	=						) Nomina	l volt	age: ( <u>3</u>		_)V	No. of	phases:	(400	)	Multi-f	unction:		janist e		ontinuit			
Overc	urrent protection device for the distributio	on circ	uit T	ype: (E	BS EN	88			) Ra	ting: ( <sub></sub>		)A					( <u>101217</u> ) Insulat	148 ion resis	tance		) ( <u></u>	urth feu	t loop impe	dance:	)
Assoc	iated RCD (if any) Type: (BS EN						)	No. of poles: (	)	 هم (		) mA	Operati	ng time:	: (	) ms	(				) (				)
	cteristics at this DB Confirmation of sup												(0.07			)kA	Earth e	lectrode	e resista	ince:	R( ) (	CD:			)
	art is based on the model forms above in Annon	div 6 of	DC 767	/1				*Where fi	aure i	s not tal				r							)				
	ort is based on the model forms shown in Appended by Certsure LLP Certsure LLP operations				ECSA b	rands		© Copyright Certsure LLP	•				, stato s								/		Pag	e8 of	33



SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CI	CUIT DETAILS ANI	D TES	T RE	SULT	S			Circui	its/equipmer	nt vuln	erable	to dan	nage w	hen testi	ng:												
CODE	S For Type of wiring	(A) Thermoplastic insulated / ( sheathed cables	B) <sup>Therm</sup> metalli	ioplastic c ic conduit	cables in t	(C) TI	nermoplas on-metallio	tic cables ir conduit	n (D) Therr	moplastic cables in Ilic trunking	(E) TI	hermoplast on-metallic	ic cables i trunking	<sup>in</sup> (F) <sup>·</sup>	'hermoplastic	/ SWA cables	G) Therm	nosetting / S	NA cables (	H) Mineral-i	insulated ca	bles (O	other - state	° LSX	MULTICO	RE CABLING		
Der	Cir	uit description	bu (%	thod	served		cuit ctor csa	ction 71)		Protective	e device			RCD	nitted led rice*	Ping		t impedan		rcuits	Insu	lation resi	stance		d earth ance, Zs	RCD operating	Te: butto	
Circuit number			Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)		BS (EN)	Type	Rating	Short-circuit canacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*		final circuits sured end to			e at least	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth 😇 fault loop impedance, Zs	time		
				Å	Num	Live (mm²)	cpc (mm²)	≊ (s)		ш		(A)	୍ୟୁ (kA)	(mA)	<u>Σ</u> (Ω)	(Line)	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		(O) fault	(ms)	RCD	AFDI
7/L3						(11117)	, /	(0)			-	(14)	(10-1)	(III/S)	(11)			12	(111112)	112	(14126)	(14132)			(11)	(iiio)		_
8/L1	FAN COIL UNITS	5	0	В	8	4	4	0.4	60898 MC	СВ	С	20	10	30	1.09				0.35		>200	>200	>200		0.38			
8/L2	FAN COIL UNITS	5	0	В	4	4	4	0.4	60898 MC	СВ	C	20	10	30	1.09				0.23		>200	>200	>200		0.31			
8/L3	SPARE																											
(to t	be completed	OARD (DB) DETAILS in every case)	Lo	cation		: <u>WE</u> S	ST RIS	ER - 1S	T FLOOR				Sigr	nature:	0	ARY BAI	RDRICK				Date:	28/10/	PROVED 2019	ELEC	CTRICIA	N		
Supp Over Asso	lly to DB is from: current protectio ciated RCD (if an	CONLY IF THE DB (RISING BUSBAR TAP C n device for the distribu y) Type: (BS EN BB Confirmation of s	)FF Ition ci	rcuit	Туре:	(BS E	N <u>88</u>	)	No. of j	) Nom	ninal vo ) I )	oltage: Rating: <u>A</u> n	( <u>3</u> (	) V ) A ) m	No. A Oper	of phase ating tim )Ω	e: (	) )ms )kA	(ente Mult (1012 Insu ( Eart	T INST r serial ti-functio 17148 lation re h electro	number on: esistanc	<b>agains</b> e:	) (	Cont	inuity: n fault Ic	ed) oop imped	ance:	
This rep Publish	port is based on the led by Certsure LLP	model forms shown in App	endix 6 berates 1	of BS 7 the NIC	7671 CEIC & I						ere figu	re is not	taken f			e source:			J [				)			Page 9	of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	ILS /	AND .	TEST	RES	ULTS		Circuits/equipment	/ulner	able to	damag	le whe	n testing	j:											
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermopi metallic d	lastic cabl conduit	les in (	C) Therm non-m	noplastic o netallic co	cables in nduit	(D) Thermoplastic cables in ( metallic trunking	E) Theri	noplastic c netallic trur	ables in nking		moplastic / S	WA cables	(G)Thermos	etting / SWA o	ables (H)	Mineral-insul	lated cables	s <b>(0)</b> oth	ner - state	_SX MULT	ICORE CABLIN	3	
_	Circuit description		ро	erved		cuit ctor csa	.u	Protective	e device			RCD	ted e*		Circu	it impedanc	es (Ω)		Insu	lation resis	stance	arth ce. Zs	RCD operating	Te butt	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*	Ring (mea	final circuit sured end t	o end)	All cir (complet one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth 5 fault loop impedance. Zs	time		
			<b> </b>	N	Live (mm²)	cpc (mm²)				(A)	∽ (kA)	(mA)	<ul> <li>(Ω)</li> </ul>	(Line)	(Neutral) rn	(срс) Г2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	tar 2) ₹	2) (ms)	RCD	AFDD
1/L1	WATER HEATER - TEA POINT	G	В	2	4	· · · ·		61009 RCD/RCBO	С	32	10	30	0.68	0.32	0.32	0.32	0.20		>200	>200	>200	<b>√</b> 0.14		$\checkmark$	
1/L2	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.43		>200	>200	>200	<b>√</b> 0.27	28.8	$\checkmark$	
1/L3	UNDERFLOOR POWER TRACK	G	В	1	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.22		>200	>200	>200	<b>√</b> 0.18	3 28.8	$\checkmark$	
2/L1	GENERAL POWER - TEA POINT	G	В	2	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68	0.32	0.32	0.33	0.22		>200	>200	>200	<b>√</b> 0.17	7 28.9	$\checkmark$	
2/L2	ACCESS CONTROL	G	В	1	4	4	0.4	60898 MCB	С	32	10	N/A	0.68				0.22		>200	>200	>200	<b>√</b> 0.2€	3		
	CLEANERS SOCKET	G	В	2	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68	0.27	0.27	0.27	0.20		>200	>200	>200	<b>√</b> 0.13	3 29	$\checkmark$	
3/L1 APPLIANCES - TEA POINT G B 6 4 4 0.4 60898 MCB C 32 10 N/A 0.68 0.33 0.33 0.35 0.17 >200 >200 >200														)											
	B/L1       APPLIANCES - TEA POINT       G       B       6       4       4       0.4       60898 MCB       C       32       10       N/A       0.68       0.33       0.33       0.35       0.17       >200       200       >200       >200       <																								
	//L1       APPLIANCES - TEA POINT       G       B       6       4       0.4       60898 MCB       C       32       10       N/A       0.68       0.33       0.33       0.35       0.17       >200       200       200       200																								
3/L2       DAMPER - STAIR LOBBY       G       B       1       4       0.4       60898 MCB       C       20       10       N/A       1.09       0       0.24       >200 <t< td=""><td></td></t<>																									
3/L3       SPARE																									
3/L3       SPARE       I <thi< th="">       I       <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<></thi<>																									
	SPARE																								
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	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
7/L2	SPARE																								
	RIBUTION BOARD (DB) DETAILS e completed in every case)		designa ation o						STED				ils): GAF	RY BARD	RICK					n: <u>APPR</u> 28/10/201		ECTRIC	CIAN		
TO E	E COMPLETED ONLY IF THE DB IS	NO	T CON	NEC	TED	DIRE	CTLY	TO THE ORIGIN O	F THI	E INST	<b>FALL</b>	TION	1				TEST								
Supp	y to DB is from: (RISING BUSBAR TAP OFF	:						) Nomin	al volt	age: ( <u>4</u>	00	) V	No. of	phases:	( <u>3</u>	)	Multi-f	unction:		gainst e		t <b>rument</b> Intinuity			
Overo	urrent protection device for the distributio	on circ										)A					(101217 Insulat	148 ion resis	stance:		) ( <u>.</u> Fa	rth faul	t loop imper	lance:	)
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	)	<u>⊿</u> n (		) mA	Operat	ing time:	(	) ms	(	lectrode			) (	D:	pov		)
Chara	cteristics at this DB Confirmation of sup	ply po	olarity:	(Yes	) F	hase	sequer	ce confirmed (where a	approp	oriate):	$\checkmark$	Zs	(0.07	)Ω	( <u>5.9</u>	) kA	(			3116 <b>8</b> .	) (				)
	ort is based on the model forms shown in Append ed by Certsure LLP Certsure LLP opera				ECSA bi	rands		*Where © Copyright Certsure Ll	U		ken fror	n BS 767	71, state s	source: ( <sub></sub>							)		Pag	e 10 of	33



SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

#### WEBSTER THOMAS ELECTRICAL LTD

**Electrical Contracting Engineers** UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CIRCUIT D	ETAILS AND	TEST R	ESU	JLTS			Circuits/equipmen	t vulne	erable t	to dam	nage w	hen testi	ng:												
CODE	S For Type of wiring (A) Thermo sheathe	olastic insulated / (B) d cables	Thermoplast metallic con	tic cable duit	esin (C) T	hermoplas on-metallio	tic cables in c conduit	(D) Thermoplastic cables in metallic trunking	(E) Th	nermoplasti on-metallic	ic cables i trunking	<sup>in</sup> (F)	l fhermoplastic	/ SWA cable	s (G)Thern	nosetting / S	WA cables	H) Mineral-i	nsulated cal	bles (O)	other - state	e LSX	MULTICOR	RE CABLING		
10	Circuit descripti		g hod	served	Cir condu	cuit ctor csa	tion 1)	Protective	device			RCD	itted id ce*			t impedan			Insul	ation resis	stance		earth nce, Zs	RCD operating	Te: butto	
Circuit number			Type of wiring (see Codes) Reference Method	(ISS /10/1) Number of points served			fax. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*		final circuits sured end to		(comple	rcuits æ at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth 😇 fault loop impedance, Zs	time		
			Ř	Num	Live (mm²)	cpc (mm²)	≊ (s)	ш		(A)	생 (kA)	(mA)		(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		O fault	(ms)	RCD	AFDD
8/L1	SPARE				(	(	(3)			(~)	(10-1)	(11/24)	(11)			12	(111112)	112	(14132)	(10122)			(11)	(113)		
	SPARE																									
8/L3	SPARE																									
(to l	TRIBUTION BOARD (I be completed in every BE COMPLETED ONLY	( case)	Locati	on of	ation: <u>DB/</u> f DB: WE	ST RIS	ER				Sigr	nature:	bitals): <u>G</u>	~	RDRICK			TINST	Date:	28/10/2	PROVED 2019	ELEC	CTRICIAI	N		
Supp Over Asso	Ny to DB is from: ( <u>RISING f</u> current protection device ciated RCD (if any) Type acteristics at this DB Co	BUSBAR TAP OF f <b>or the distributi</b> :: (BS EN	F on circui	it Ty	vpe: (BS E	N <u>88</u>	)	Nom) Nom	inal vo ) F )	oltage: Rating: <u>A</u> n	( <u>400</u> ( <u>100</u> (	V( ∆( n(	No. No.	-		) )ms )kA	(ente Mul (1012 Insu (		number on: sistanco	<b>agains</b> e:	) ( ) (	Conti	inuity: n fault lo	ed) op imped	ance:	) )
This re Publish	port is based on the model forr	ns shown in Appen Certsure LLP oper	idix 6 of B rates the N	S 7671 NICEIC	1 C & ELECS/				re figur	e is not	taken f		7671, stat		<i>p</i> :						)	·		Page 11	of	33



Electrical Contracting Engineers

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## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR	T 12 : SCHEDULE OF CIRCUIT DET	AILS	AND	TEST	RES	ULTS		Circuits/equipment	vulnera	able to	damag	e whe	n testing	:											
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cab conduit	les in (	C) Therr	moplastic metallic co	cables in Induit	(D) Thermoplastic cables in ( metallic trunking	E) Thern non-n	noplastic c netallic tru	ables in nking	(F) Ther	moplastic / SV	VA cables	(G)Thermose	etting / SWA o	ables (H) 1	Mineral-insu	lated cables	(0) oth	er - state	SX MULT	CORE CABLING	i	
-	Circuit description	5	poq	served		rcuit ctor csa	tion ()	Protective	e device			RCD	itted d ce*			it impedanc			Insul	lation resis	stance	earth nce, Zs	RCD operating	Te: butto	
Circuit number		Type of wirin (see Codes)	Reference Meth (BS 7671)	Number of points served	Live	срс	Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*	Ring (mea (Line)	final circuit sured end to (Neutral)		All cir (complete one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth S fault loop impedance, Zs	time	RCD	AFDD
				z	(mm²)	(mm²)				(A)	(kA)	(mA)	(Ω)	(Lino) ľ1	rn	(opo) ľ2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	Ω)	) (ms)		
-	LIGHTING LCM'S - NORTH OFFICE	0	В	4			0.4	60898 MCB	С	10	10	N/A	2.19				0.49			>200	>200	<b>√</b> 0.62			
1.1	LIGHTING LCM'S - EAST TEA POINT	0	В	1			0.4	60898 MCB	С	10	10	N/A	2.19				0.20		>200	>200	>200	<b>√</b> 0.26	_		
	LIGHTING LCM'S SOUTH OFFICE	0	В	3			0.4	60898 MCB	С		10		2.19				0.40		_	>200	>200	<b>√</b> 0.51			
	LIGHTING LCM'S - CORRIDOR BOOTH	0	В	1	2.5	2.5	0.4	60898 MCB	С	10	10	N/A	2.19				0.27		>200	>200	>200	✓ <sup>0.43</sup>			
	LIGHTING LCM'S - OPEN PLAN	0	В	5	2.5	2.5	0.4	60898 MCB	С	10	10	N/A	2.19				0.49		>200	>200	>200	✓ 0.58			
2/L3	LIGHTING LCM'S - SEATING AREA & LOBBY	0	В	2	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	2.19				0.58		>200	>200	>200	✓ <sup>0.72</sup>			
3/L1	LIGHTING LCM'S - CENTRE TEA POINT	0	В	1	2.5	2.5	0.4	60898 MCB	С	10	10	N/A	2.19				0.49		>200	>200	>200	✓ 0.56			
3/L2	SPARE																						_		
3/L3	SPARE	<u> </u>																							
4/L1	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	KWH METER	D	В	1	1.5		0.4	60898 MCB	С	2	10	N/A	10.93				0.01			>200	>200	✓ 0.07			
	KWH METER	D	В	1	1.5		0.4	60898 MCB	С	2	10	N/A	10.93				0.01					<b>√</b> 0.07			
6/L3	KWH METER	D	В	1	1.5		0.4	60898 MCB	С	2	10	N/A	10.93				0.01		>200	>200	>200	<b>√</b> 0.07			
	RIBUTION BOARD (DB) DETAILS e completed in every case)		design ation o					TES	STED				als): <u>GAR</u>		RICK				Positior Date: <u>2</u>		OVED EL 19	ECTRIC	IAN		
TO P	E COMPLETED ONLY IF THE DB IS	S NO.		NNFC	TFD	DIRF	СТГА	TO THE ORIGIN O	F THE								<b>TEST</b> I	NSTR	UMEN	TS	-				
															10		(enter s	erial nu	ı <mark>mber</mark> aç		ach inst				
	y to DB is from: (RISING BUSBAR TAP OF							) Nomin				)V	INO. OT	phases:	(3	)	Multi-fi (101217	unction: 148			Co ) (	ntinuity			)
	urrent protection device for the distribution									ting: ( <u>1</u>		)A					Insulat	ion resis	stance:		Ea	rth fault	loop imped	ance:	
	iated RCD (if any) Type: (BS EN												-	-	(		( Earth e	lectrode	e resista	ance:	) ( <u>.</u> RC	D:			)
Chara	cteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	) I	Phase	sequer	ice confirmed (where a	approp	riate):	$\checkmark$	Zs	(0.06	)Ω	(5.19	) kA	(				) (				)
This rep	ort is based on the model forms shown in Appen	dix 6 of	BS 767	'1				*Where	figure i	s not ta	ken fron	n BS 76	71, state s	ource: (		(					)			]	-
	ed by Certsure LLP Certsure LLP oper				ECSA b	rands		© Copyright Certsure Ll	P (July	2018)													Page	e 12 of	33

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### **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	2: SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS       Circuits/equipment vulnerable to damage when testing:         Type of wiring       (A) Thermoplastic insulated / sheathed cables       (B) Thermoplastic cables in non-metallic conduit       (C) Thermoplastic cables in non-metallic conduit       (D) Thermoplastic cables in metallic conduit       (F) Thermoplastic / SWA cables       (G) Thermoplastic cables in non-metallic trunking																								
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	astic cabl onduit	es in (				(D) Thermoplastic cables in (E metallic trunking	) Thern non-n	noplastic ca netallic trun	ables in nking	(F) Therr	moplastic / SV	VA cables	(G)Thermos	etting / SWA	cables (H)	Mineral-insul	ated cables	( <b>()</b> ) otl	ner - state	LSX MULT	CORE CABLING			
	Circuit description		ра	erved		cuit ctor csa	uo	Protective	device			RCD	e*		Circu	it impedan	ces (Ω)		Insul	lation resi	stance	arth ce, Zs	RCD operating	Te butt	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*	(mea	final circuit sured end t	o end)	(complet	rcuits e at least blumn)	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth 5 fault loop impedance, Zs	time		
				P	Live (mm <sup>2</sup> )	cpc (mm²)	(s)			(A)	∽ (kA)	(mA)	 (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	Ω)	) (ms)	RCD	AFDD
1/L1	UNDERFLOOR POWER TRACK	10		0.68				0.26		>200	>200	>200	✓ 0.27		$\checkmark$										
1/L2 UNDERFLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10																	0.20		>200	>200	>200	✓ 0.23		$\checkmark$	
1/L3	UNDERFLOOR POWER TRACK	10		0.68				0.30		>200	>200	>200	✓ 0.32		$\checkmark$										
1	UNDERFLOOR POWER TRACK	0.4	61009 RCD/RCBO	С	32	10		0.68				0.20		>200	>200	>200	<b>√</b> 0.24		$\checkmark$						
2/L2	GENERAL POWER - TEA POINT	G	В	2	4	4	0.4	61009 RCD/RCBO	С	32	10				0.21	0.21	0.11		>200	>200	>200	<b>√</b> 0.19	29	$\checkmark$	
	GENERAL POWER - SEATING AREA	G	В	4	4	4	0.4	61009 RCD/RCBO	С	32	10					0.31	0.21		>200	>200	>200	<b>√</b> 0.30			
	WATER HEATER - TEA POINT	G	В	2	4	4	0.4	60898 MCB	С	32	10		0.68	0.20	0.20	0.20	0.05		>200	>200	>200	✓ 0.25			
	APPLIANCES - TEA POINT	G	В	6	4	4	0.4	60898 MCB	С	32	10				0.21	0.21	0.14		>200	>200	>200	✓ 0.22			
3/L3	CLEANERS SOCKET	G	В	2	4	4	0.4	61009 RCD/RCBO	С	32	10		0.68	0.32	0.32	0.30	0.17		>200	>200	>200	✓ 0.23	22.9	$\checkmark$	
4/L1	TV SCREEN SOCKET	G	В	1	4	4	0.4	61009 RCD/RCBO	С	32	10		0.68				0.18		>200	>200	>200	✓ 0.12	28	$\checkmark$	
4/L2	FAN COIL UNITS	G	В	3	4	4	0.4	60898 MCB	С	20	10		1.09				0.31		>200	>200	>200	✓ 0.25			
	FAN COIL UNITS	G	В	5	4	4	0.4	60898 MCB	С	20	10		1.09				0.38		>200	>200	>200	✓ 0.48			
	EXTRACT FAN	G	В	1	4	4	0.4	60898 MCB	С	32	10		0.68				0.26		>200	>200	>200	✓ 0.38			
	TU RING	0	В	2	4	4	0.4	60898 MCB	С	32	10		0.68	0.27	0.27	0.17	0.20		>200	>200	>200	✓ 0.15			
5/L3																									
6/L1																						$\square$			
6/L2																						$\square$			
6/L3																									
7/L1																									
7/L2																									
	RIBUTION BOARD (DB) DETAILS e completed in every case)				DB/E/S EAST I		D	<b>TES</b>	TED				ils): <u>GAR</u>		RICK				Date: <u>2</u>	8/10/20		LECTRIC	IAN		
TO E	E COMPLETED ONLY IF THE DB IS	NOT	CON	INEC	CTED	DIRE	CTLY	TO THE ORIGIN OF	THE	INST	ALLA	TION						INSTR							
Supp	y to DB is from: (RISING BUSBAR TAP OFF							) Nomina	l volt	age: ( <u>4</u>	00	.)V	No. of	phases:	(3	)		erial nu unction:		gainst e		<b>trument</b> ontinuity			
Overa	urrent protection device for the distributio	n circ	uit Ty	/pe: (E	BS EN	88			) Rat	ting: ( <u>1</u>	00	_)A					( <u>101217</u>	148 ion resis	tanaa		) (	orth four	loonimad		)
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	)	∑ <u>a</u> n (		)mA	Operati	ng time:	(	) ms	(				) (		loop imped	ance:	)
	cteristics at this DB Confirmation of sup														(5.19		Earth e (	lectrode	e resista	ance:	R( ) (	CD:			)
													71, state s	<i></i>							)				
	ort is based on the model forms shown in Append ed by Certsure LLP Certsure LLP opera				ECSA h	rands		© Copyright Certsure LLF	•		Son HOII	. 50 /0/	, этаге э	ouroe. ( <u>.</u>							)		Page	13 of	33



SCHEDULE OF CIRCULT DETAILS AND TEST RESULTS

#### WEBSTER THOMAS ELECTRICAL LTD

**Electrical Contracting Engineers** UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CIRCUIT DETAILS AN	D TES	ST RE	SULI	rs			Circuits/equipme	nt vulne	erable	to dam	iage w	hen testi	ing:												
CODE	S For Type of wiring (A) Thermoplastic insulated / sheathed cables	(B) Thern metal	noplastic ( Ilic condui	cables in it	(C) T	hermoplas on-metallio	tic cables in c conduit	(D) Thermoplastic cables in metallic trunking	(E) Th	nermoplast on-metallic	ic cables ir trunking	n (F)	Thermoplastic	c / SWA cables	G) Ther	nosetting / S\	WA cables	(H) Mineral-	insulated ca	ibles (O	) other - state	e LSX	( MULTICO	RE CABLING		
er	Circuit description	6. (	thod	served		cuit ctor csa	ction 1)	Protectiv	e device			RCD	iitted ed ice*			it impedanc			Insu	llation resi	stance		earth ince, Zs	RCD operating	Te butt	est cons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	Ring (mea	final circuit sured end t		(comple	ircuits te at least column)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth S fault loop impedance, Zs	time		
_			Re	Numl	Live (mm²)	cpc (mm²)	≌ (s)	۵		(A)	액 3 (kA)	(mA)	<u>Σ</u> Ξ (Ω)	(Line) r1	(Neutral) rn	(срс) Г2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		5 fault	(ms)	RCD	AFDD
8/L1					(11111-)	(11111-7	(5)			(A)	(NA)	(IIIA)	(52)			12	(111+112)	112	(10152)	(19152)	(V)	<u> </u>	(52)	(113)		
8/L2																										
8/L3																										
(to b	STRIBUTION BOARD (DB) DETAILS DB designation: DB/E/SP/GND TESTED BY Name (capitals): GARY BARDRICK be completed in every case) Location of DB: EAST RISER																ST INST	Date	: 28/10/	PR0VED (2019	) ELE(	CTRICIA	N			
Supp <b>Over</b>	BE COMPLETED ONLY IF THE DE Iy to DB is from: ( <u>RISING BUSBAR TAP</u> current protection device for the distribu- ciated RCD (if any) Type: (BS EN	OFF ution c	ircuit	Туре:	: (BS E	N <u>88</u>			ninal vo		( <u>400</u> ( <u>100</u>	)V()A	No.	of phase		) )ms	(ent Mu ( <u>101</u> Inst	er serial Iti-functio 217148 ulation re	number on: esistanc	r agains :e:	) ( ) (	Conti ( Earth (	tinuity: h fault lo	ed) oop imped	ance:	)
	acteristics at this DB Confirmation of									opriate	e): Tru	ie Z	z ( <u>0.06</u>	)Ω <u>/</u>	<sub>羽</sub> (5.19 pf	) kA		th electro	ode resi	istance:	) (	RCD: (	:			)
Publish	port is based on the model forms shown in App ed by Certsure LLP Certsure LLP o sk House, Houghton Hall Park, Houghton Regis	perates	the NI	CEIC &	ELECS	A brand	s	*Whe © Copyright Certsure	0			rom BS	7671, stat	te source:	(						)			Page 14	of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DET.	AILS	AND	TEST	RES	ULTS	;	Circuits/equip	ment vul	Inera	able to	damag	e whe	n testing	:											
CODE	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	) Thermop metallic	lastic cabl conduit	es in <b>((</b>		moplastic metallic co	cables in onduit	(D) Thermoplastic cab metallic trunking	oles in (E)		noplastic ca netallic trun		(F) Ther	rmoplastic / S\	WA cables	(G) <sup>Thermos</sup>	etting / SWA o	cables (H)	Mineral-insul	lated cable:	s <b>(0)</b> ot	her - state	LSX MULTIC	ORE CABLING	;	
F	Circuit description	Р	rotective d	evice			RCD	itted ed ce*			iit impedanc			Insu	lation resi	stance	earth nce, Zs	RCD operating	Te butt	est tons						
Circuit number		Reference Method (BS 7671)	Number of points served	Live	срс	Max. disconnection time (BS 7671)	BS (EN)		Type	_	Short-circuit capacity	Operating current, I∆n	Pro Za	Ring (me) (Line)	g final circui asured end t (Neutral)	to end)	(complet one c	rcuits æ at least olumn)	Live / Live	Live / Earth	Test voltage DC	Max fault lo	time	RCD	AFDD	
1/L1	UNDERFLOOR POWER TRACK	G	В	1	(mm²) 10	1	(s) 0.4	61009 RCD/RCB	0 0	<b>`</b>	(A) 32	(kA) 10	(mA) 30	(Ω) 0.68	rı.	rn	Γ2	(R1+R2) 0.18	R2	(MΩ) >200	(MΩ) >200	(V) >200	(Ω) <b>(</b> Ω)	(ms) 22.9	~	
1/L1	UNDERFLOOR POWER TRACK	B	1	10	-	0.4 0.4	61009 RCD/RCB					30	0.08				0.18		>200	>200	>200	✓ 0.35 ✓ 0.16	22.9	$\checkmark$	$\vdash$	
1/L2 1/L3	UNDER FLOOR POWER TRACK	G	B	1	10		0.4 0.4	61009 RCD/RCB	-				30	0.68				0.12		>200	>200	>200	✓ 0.10 ✓ 0.14	22.0	$\checkmark$	$\vdash$
2/L1	UNDERFLOOR POWER TRACK	G	B	1	10		0.4 0.4	61009 RCD/RCB					30	0.68		+		0.12		>200	>200	>200	✓ 0.14 ✓ 0.19	22.8	$\checkmark$	$\vdash$
2/L2	UNDERFLOOR POWER TRACK	G	B	1	10		0.4 0.4	61009 RCD/RCB					30	0.68				0.14		>200	>200	>200	✓ 0.13	22.5	$\overline{\checkmark}$	$\vdash$
2/L3	UNDERFLOOR POWER TRACK	G	B	1	10		0.4	61009 RCD/RCB					30	0.68				0.12		>200	>200	>200	✓ 0.11	29	$\overline{\checkmark}$	
3/L1	GENERAL POWER - BOOTHS AND TV	G	B	4	4	4	0.4	61009 RCD/RCB	-		32		30		0.36	0.36	0.30	0.12		>200	>200	>200	✓ 0.11	23.8	$\checkmark$	
3/L2	CLEANERS SOCKETS	G	B	ŀ	4	4	0.4	61009 RCD/RCB			32		30		0.57	0.57		0.14		>200	>200	>200	✓ 0.20	21.1	V V	
3/L3	SPARE	-	-		<u> </u>	ł –			-		-			0.00			0.00			200			• •=•		- ·	
4/L1	VIVREAU & WATER HEATERS - TEA POINT	G	В		4	4	0.4	60898 MCB	(	2	32	10	N/A	0.68	0.35	0.55	0.50	0.18		>200	>200	>200	✓ <sup>0.25</sup>			
4/L2	APPLIANCES - TEA POINT	G	В		4	4	0.4	60898 MCB	0	2	32	10	N/A	0.68	0.46	0.46	0.45	0.16		>200	>200	>200	<b>√</b> 0.24			
4/L3	APPLIANCES - TEA POINT	G	В		4	4	0.4	60898 MCB	C	2	32	10	N/A	0.68	0.49	0.49	0.48	0.33		>200	>200	>200	<b>√</b> 0.35			
5/L1	GENERAL POWER - TEA POINT	G	В		4	4	0.4	60898 MCB	C	2	32	10	30	0.68	0.54	0.54	0.51	0.51		>200	>200	>200	<b>√</b> 0.35	29.1		
5/L2	SPARE																									
5/L3	SPARE																									
	SPARE																									
	SPARE																									
	SPARE																									
	SPARE																									
7/L2	SPARE																									
	RIBUTION BOARD (DB) DETAILS	DB	design	ation: [	DB/E/	SP/1			TEST	ED	BY	Name	(capita	als): GAF	RY BAR	DRICK				Positio	n: APPR	OVED E	LECTRICIA	N		
	e completed in every case)		ation o	f DB: [	EAST	RISER	- 1ST F	LOOR			:	Signatı	ure: a	16	$\langle \rangle$					Date: 2	28/10/20	19				
	BE COMPLETED ONLY IF THE DB I		T COM										TION	1					INSTR serial nu			each ins	strument u	sed)		
Supp	ly to DB is from: (RISING BUSBAR TAP OF	F						)	Nominal	volta	age: (4	00	_)V	No. of	phases	: ( <u>3</u>	)		unction:			C	ontinuity:			
Over	current protection device for the distributi	on cire	cuit Ty	/pe: (B	S EN	88			)	) Rat	ting: ( <sub></sub>		)A					(101217 Insulat	148 tion resis	stance:		) ( E	arth fault l	oop imped	ance:	)
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	]	)	An (		)mA	Operati	ing time	: (	) ms	(				) (		· ·		)
	acteristics at this DB Confirmation of su																	Earth e (	electrode	e resist	ance:	R <sup>i</sup> ) (	CD:			)
This rep Publish	ort is based on the model forms shown in Apper ed by Certsure LLP Certsure LLP ope & House Houghton Hall Park Houghton Regis C	ndix 6 of rates th	f BS 767 e NICEI	1 C & Ele					Where fig	jure i	s not tak			71, state s	<i>r</i>		[					)		Page	e 15 of	33



SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

### WEBSTER THOMAS ELECTRICAL LTD

**Electrical Contracting Engineers** UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CIRCUIT DETAILS A	ND TES	ST RE	SULT	rs			Circuits/equipment	t vuln	erable	to dam	nage w	hen testi	ng:												
CODE	S For Type of wiring (A) Thermoplastic insulated / sheathed cables	(B) Therr metal	noplastic o Ilic condui	cables in it	(C) T	hermoplasti on-metallic	ic cables in conduit	(D) Thermoplastic cables in metallic trunking	(E) T	Thermoplast non-metallic	tic cables i trunking	<sup>in</sup> (F)	l fhermoplastic	/ SWA cables	(G) Therm	iosetting / SV	VA cables (	H) Mineral-i	insulated ca	ables (O	) other - stat	e LSX	MULTIC	DRE CABLING		
ber	Circuit description	ring as)	ethod )	is served		rcuit ctor csa	ection 371)	Protective	device	,	1	RCD	mitted Illed svice*	Ring fi	Circuit	t impedanc ; only		rcuits	Insu	lation resi	stance		ed earth dance, Zs	RCD operating time	Tes butto	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Aax. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*		ured end to		(complet	e at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth 😇 fault loop impedance, Zs			
			æ	Mum	Live (mm²)	cpc (mm²)	≥ (s)	ш		(A)	ੱਤ (kA)	(mA)	Ξ Ξ (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		(D) fault	(ms)	RCD	FDC
7/L3	SPARE				(	(	(0)			(, ,	(10.1)	(	(2)				(		(1112)	(	(.,		(24)	(110)		_
8/L1	FAN COIL UNITS		4	4 C	).4 6	50898 MCB	С	20	10		1.09				0.23		>200	>200	>200		0.30					
8/L2	FAN COIL UNITS		4	4 0	).4 6	60898 MCB	C	20	10		1.09				0.24		>200	>200	>200	$\checkmark$	0.32					
8/L3	SPARE																									
	FRIBUTION BOARD (DB) DETA re completed in every case)			-		E/SP/1 St Risei		<b>TE</b> FLOOR	STE	D BY			bitals): <u>Gr</u>	ARY BAR	IDRICK				Date	: 28/10/	PROVED 2019		CTRICI	<u>\N</u>		
Supp Over Asso	BE COMPLETED ONLY IF THE I by to DB is from: (RISING BUSBAR TA current protection device for the distr ciated RCD (if any) Type: (BS EN acteristics at this DB Confirmation	P OFF ibution c	ircuit	Туре:	(BS E	N <u>88</u>	)	Nomi) Nomi) Nomi	inal v ) )	roltage: Rating: <u>A</u> n	( <u>400</u> (	∨( ∆( n()	No.	of phases ating time		) )ms	(ente Muli ( <u>1012</u> Insu (	T INST r serial ti-functio 17148 lation re	number on: esistanc	r agains :e:	)	Cont (	inuity:	sed)		
This re				ty: ( <u>Ye</u>	<u>(s</u> )	Phase	e seque	ence confirmed (where	e app	ropriate	e): Tru	ie 2	r <sub>s</sub> ( <u>0.07</u>	)Ω	<sub>Z,</sub> ( <u>4.79</u>	) kA		h electro	ode res	istance:	) (	( RCD (		oop imped	ance:	) ) )



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR	<b>12 : SCHEDULE OF CIRCUIT DETA</b>	ULTS		Circuits/equipment	vulnera	ble to	damag	e whe	n testing:	:															
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermopl metallic c	lastic cabl conduit	es in (l	C) Thern non-n	noplastic o netallic co	cables in nduit	(D) Thermoplastic cables in ( metallic trunking	E) Thern non-n	oplastic c netallic trur	ables in nking	(F) Ther	moplastic / SV	VA cables	G)Thermose	etting / SWA c	ables (H)	Mineral-insul	ated cables	(0) oth	ner - state	LSX MULTIC	CORE CABLING		
er	Circuit description	5_	hod	served		cuit ctor csa	stion 1)	Protective	e device			RCD	itted ed ce*			t impedanc			Insul	ation resi	stance	earth nce, Zs	RCD operating		est tons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Live		Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*	Ring ( (meas (Line)	final circuits sured end to (Neutral)		All cir (complet one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth E fault loop impedance, Zs	time	BCD	AFDD
				ź	(mm²)	cpc (mm²)	(s)			(A)	(kA)	(mA)	(Ω)	ſ1	rn	Γ2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	(Ω)	(ms)		/
1/L1	LIGHTING LCM - TEA POINT	0	В	1			0.4 0.4	61009 RCD/RCBO 60898 MCB	С	10	10	30	2.19				0.55		>200	>200	>200	✓0.72	28.9	$\checkmark$	
1/L2	LIGHTING LCM - SPARE	10 10	10		2.19				0.35		>200	>200	>200	<b>√</b> 0.50											
	LIGHTING LCM - ROOM 1.20, 1.21, 1.22	10		2.19				0.59			>200	>200	<b>√</b> 0.68												
2/L1	LIGHTING LCM - TEA POINT	61009 RCD/RCBO	С	10		30	2.19				0.44		>200	>200	>200	<b>√</b> 0.38	28.9	$\checkmark$							
2/L2	LIGHTING LCM - ROOM 1.09	0	-	3			0.4	60898 MCB	С	10	10		2.19				0.34		>200	>200	>200	<b>√</b> 0.42			
2/L3	LIGHTING LCM - ROOM 1.06, 1.07 & CORRIDOR	0	В	3	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.30		>200	>200	>200	✓ <sup>0.36</sup>			
3/L1	LIGHTING LCM - ROOM 2.03, 2.04	0	В	4	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.60		>200	>200	>200	✓ 0.67			
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
	SPARE																								
6/L1	KWH METER	D	В	1	1		0.4	60898 MCB	С	2	10		10.93												
6/L2	KWH METER	D	В	1	1		0.4	60898 MCB	С	2	10		10.93												
6/L3	KWH METER	D	В	1	1		0.4	60898 MCB	С	2	10		10.93												
	RIBUTION BOARD (DB) DETAILS e completed in every case)		designa ation o				- 1ST F		STED			· · _	nls): <u>GAR</u>		RICK				Date: <u>2</u>	8/10/201		LECTRICI	AN		
TO E	E COMPLETED ONLY IF THE DB IS	NO	T CON	INEC	TED	DIRE	CTLY	TO THE ORIGIN O	F THE	INST	<b>FALLA</b>	TION						INSTR							
Supp	y to DB is from: (RISING BUSBAR TAP OFF	:						) Nomin	al volta	aae: (4	00	)V	No. of	phases:	(3	)		erial nu unction:		jainst e		t <mark>rument</mark> u ontinuity:			
	· · · · · · · · · · · · · · · · · · ·											'			\ <u>-</u>	'	(101217				) (	interrety.			)
	urrent protection device for the distributio		-									)A					Insulat	ion resis	tance:		Eε	rth fault	loop imped	ance:	
Asso	iated RCD (if any) Type: (BS EN						)	No. of poles: (	)	<u>7</u> An (		) mA	Operati	ng time:	(	) ms	(	lectrode	rosista		) ( <u> </u>	CD:			)
Chara	cteristics at this DB Confirmation of sup	ply po	olarity:	(Yes	) F	Phase	sequer	ice confirmed (where	approp	riate):	$\checkmark$	Zs	(0.07	_)Ω pf	(4.79	) kA	(				) (	, <b></b> .			)
	ort is based on the model forms shown in Append ed by Certsure LLP Certsure LLP opera				ECSA b	rands		*Where © Copyright Certsure Ll	0		ken from	n BS 767	71, state s	ource: ( <sub></sub>		L					)		Page	17 of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	AILS /	AND	TEST	RES	ULTS	;	Circuits/equip	ment vu	Inera	ble to	damag	e whe	en testing	:											
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables		noplastic netallic co		(D) Thermoplastic cab metallic trunking	<sup>les in</sup> (E)		ioplastic ca ietallic trun		(F) Ther	rmoplastic / S\	WA cables	(G) <sup>Thermos</sup>	etting / SWA c	ables (H)	Mineral-insu	lated cables	s (0) otl	her - state	LSX MULTIC	ORE CABLING	6				
her	Circuit description	Р	rotective d	evice			RCD 6 V		Ring	Circu final circuit	iit impedanc ts only		rcuits	Insu	lation resi	istance	/ ed earth dance, Zs	RCD operating time	Te butt	est tons						
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Live		Max. disconnection time (BS 7671)	BS (EN)		Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*	(mea	asured end t	to end) (cpc)		e at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth fault loop impedance, Zs		RCD	AFDD
		В	ź	(mm <sup>2</sup> )	cpc (mm²)	(s)				(A)	(kA)	(mA)	(Ω)	(Line) ľı	rn	(CPC) 12	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	(Ω)	(ms)		A 00	
	UNDERFLOOR POWER TRACK			61009 RCD/RCB			32		30	0.68				0.23		>200	>200	>200	✓ 0.27	22.6	$\checkmark$					
	UNDERFLOOR POWER TRACK	G	В	1	10			61009 RCD/RCB			32		30	0.68				0.15		>200	>200	>200	✓ 0.21	28.9	$\checkmark$	
	UNDERFLOOR POWER TRACK	G	В	1	10			61009 RCD/RCB			32		30	0.68				0.21		>200	>200	>200	✓ 0.48	23.4	$\checkmark$	
-	UNDERFLOOR POWER TRACK	G	В	1	10		-	61009 RCD/RCB	-		32		30	0.68				0.12		>200	>200	>200	✓ 0.20	28.4	$\checkmark$	
	UNDERFLOOR POWER TRACK	ы О	В		10	-		61009 RCD/RCB			32		30	0.68			<b> </b>	0.11		>200	>200	>200	✓ 0.15	23.2	<ul> <li>✓</li> </ul>	$\square$
	UNDERFLOOR POWER TRACK	G	В	1	10			61009 RCD/RCB			32		30	0.68				0.10		>200	>200	>200	✓ 0.17	23.6	<ul> <li></li> </ul>	
	UNDERFLOOR POWER TRACK	G O	В	1	10			61009 RCD/RCB			32		30	0.68	0.50	0.50		0.30		>200	>200	>200	✓ 0.38	22.8	<ul> <li>✓</li> </ul>	$\square$
	CLEANERS SOCKET	G	В	4	4	4	-	61009 RCD/RCB	U (	-	32		30	0.68	0.53	0.53		0.19		>200	>200	>200	✓ 0.30	28.8	$\checkmark$	
	HAND DRYERS - WC	G	В	2	4	4		60898 MCB	0		32	10	N/A	0.68	0.44	0.44	0.44	0.15		>200	>200	>200	✓ 0.22			
	WATER HEATER, TAP SENSOR, EXTRACT FAN	G	В	5	4	4		60898 MCB	(		32	10	N/A	0.68	0.60	0.60	-	0.21		>200	>200	>200	✓ <sup>0.25</sup>			
	ACCESS CONTROL	G	В	1	4	4	0.4	60898 MCB	(	2	32	10	N/A	0.68	0.36	0.36	0.34	0.09		>200	>200	>200	<b>√</b> 0.17			
	SPARE																									
	SPARE																									
1	SPARE																									
	SPARE																									
	SPARE																									
	SPARE																									
	SPARE																									
	SPARE																									
7/L2	SPARE																									
DIST	RIBUTION BOARD (DB) DETAILS	DB	design	ation: [	DB/W	/SP/2			TEST	ED	BY	Name	(capita	als): <u>GA</u> F	RY BARE	DRICK				Positio	n: APPR	OVED E	LECTRICIA	N		
	e completed in every case)	Loca	ation o	f DB: <u>\</u>	NEST	RISEF	R - 2ND	FLOOR				Signatı	ure: a	16						Date: 2	28/10/20	19				
TO B	E COMPLETED ONLY IF THE DB IS	S NO	T COM	NNEC	TED	DIRE	CTLY	TO THE ORIG	IN OF	THE	INST	<b>FALLA</b>		N				TEST (enter s		UMEN	ITS nainst e	each ins	strument us	sed)		
Suppl	y to DB is from: (RISING BUSBAR TAP OFF	=						)	Nominal	volta	age: (4	00	_)V	No. of	phases:	: ( <u>3</u>	)	Multi-f	unction:		9		ontinuity:	,		
Overo	urrent protection device for the distribution	on circ	cuit Ty	ype: (B	S EN	88				) Rat	ing: ( <u>1</u>	00	)A					( <u>101217</u> Insulat	148 tion resis	stance:		) ( Ei	arth fault l	oop imped	ance:	)
Assoc	ciated RCD (if any) Type: (BS EN						)	No. of poles: (		)	<b>⊿</b> n (		) mA	Operati	ing time:	: (	) ms	(	electrode	e resiste	ance.	) (	CD:			)
Chara	cteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	) I	Phase	sequen	ce confirmed (w	/here ap	prop	riate):	$\checkmark$	Zs	( <u>0.08</u>	)Ω	( <u>5.15</u>	)kA	(		- 1031310		) (				)
Publishe	ort is based on the model forms shown in Appen ed by Certsure LLP Certsure LLP oper k House. Houchton Hall Park. Houchton Regis. Di	ates th	e NICEI	C & ELE	CSA b	rands		* © Copyright Cert	0			ken from	n BS 76	71, state s	ource: (							)		Page	e 18 of	33



SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

### WEBSTER THOMAS ELECTRICAL LTD

**Electrical Contracting Engineers** UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CIRCUIT DETA	AILS AND TES	ST RE	SULT	S			Circuits/equipment	t vuln	erable	to dam	age w	hen testi	ng:												
CODE	S For Type of wiring (A) Thermoplastic sheathed cable	insulated / (B) Therr	noplastic Ilic condui	cables in it	(C) TI	hermoplastic on-metallic co	cables in Induit	(D) Thermoplastic cables in metallic trunking	(E) T	hermoplast on-metallic	ic cables ir trunking	n (F)	Thermoplastic	/ SWA cables	(G) Therm	osetting / SV	VA cables (	H) Mineral-i	insulated ca	ables (O	) other - state	e LSX	MULTIC	ORE CABLING		
nber	Circuit description	iring es)	Aethod 1)	its served		rcuit ctor csa	1671)	Protective	device			RCD Bu 4	rmitted alled evice*		nal circuits		All ci	rcuits	Insu	Ilation resi	stance	~	ed earth edance, Zs	RCD operating time	Test buttor	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served		:	Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*		ured end to			e at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth S fault loop impedance, Zs			
				Nur	Live (mm²)	cpc	(s)			(A)	。 (kA)	(mA)		(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		an Δ (Ω)	(ms)	RCD A	FDE
7/L3	SPARE		В																							
8/L1	FAN COIL UNITS	0	8	4	4 0.4		0898 MCB	C	20	10		1.09				0.42		>200	>200	>200		0.52			_	
8/L2	FAN COIL UNITS SPARE	0	4	4	4 0.4	4 60	0898 MCB	С	20	10		1.09				0.34		>200	>200	>200	$\checkmark$	0.37				
8/L3																										—
(to l	TRIBUTION BOARD (DB) be completed in every ca	se) La	ocatior	n of DB	: <u>WE</u> S	W/SP/2 ST RISEF		FLOOR			Sign	ature:		ARY BAR	DRICK		ΓΕς	TINST	Date	: 28/10/	PROVED 2019	ELE	CTRICIA	<u>N</u>		
Supp <b>Over</b>	BE COMPLETED ONLY IF ly to DB is from: ( <u>RISING BUSE</u> current protection device for th ciated RCD (if any) Type: (BS	BAR TAP OFF	ircuit	Туре:	(BS E	N <u>88</u>		No. of poles: (	nal v		( <u>400</u> ( <u>100</u>	) V ) A	No.	of phases ating time		) ) ms	(ente Mult ( <u>1012</u> Insu	r serial ti-functio 17148 lation re	numbe on:	r agains	) (	Cont (	inuity:	sed)		
	acteristics at this DB Confirm							•	/							,						(		oop imped	ance:	
This re			poluli	ty: (Ye	<u>s</u> )	Phase	sequer							)Ω	<i>''</i>	) kA	Eart	h electro	ode res	istance:	) (	( RCD: (		oop imped	ance:	) ) )



Electrical Contracting Engineers

UNIT 7, CASTLE VIEW BUSINESS ESTATE, GAS HOUSE ROAD, ROCHESTER, KENT. ME11PB Tel: 01634 818074

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IPR18

## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	ILS /	AND	TEST	RES	ULTS		Circuits/equipment v	ulnera	ble to	damag	e wher	n testing:												
CODE	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	olastic cab conduit	les in (	C) Thern non-n	noplastic ( netallic co	cables in onduit	(D) Thermoplastic cables in ( metallic trunking	E) Thern non-n	oplastic ca etallic trur	ibles in iking	(F) Thern	noplastic / SW	/A cables	(G)Thermose	etting / SWA c	ables (H) N	lineral-insul	ated cables	(0) oth	er - state 🛛 🛓	SX MU	LTICORE CABLIN	G		
-	Circuit description		po	erved		rcuit ctor csa	ion (	Protective	device			RCD	ted J ie*	•	Circui	it impedanc	es (Ω)		Insul	ation resis	tance	earth	NZ RCD		est tons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	(mea	final circuits sured end to	o end)	All circ (complete one col	at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth	time time		AFDD
				ź	Live (mm²)	cpc (mm²)				(A)	(kA)	(mA)	(Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		 (Ω) (ms)	neb	AIDD
1/L1	LIGHTING LCM - CORRIDOR	0	В	7		2.5	0.4	60898 MCB	С	10	10		2.19				0.56			>200	>200	<b>√</b> 0.0		$\checkmark$	
1/L2	LIGHTING LCM - ROOM 2.01, 2.02	0	В	2			-	60898 MCB	С	10	10		2.19				0.36			>200	>200	<b>√</b> 0.4		$\checkmark$	
1/L3	LIGHTING LCM - ROOM 2.16	0	В	3			-	60898 MCB	С	10	10		2.19				0.27				>200	<b>√</b> 0.:		$\checkmark$	
2/L1	LIGHTING LCM - CORRIDOR	0	В	5	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.80			>200	>200	<b>√</b> 0.]		$\checkmark$	
2/L2	LIGHTING LCM - ROOM 2.18, 2.19	0	В	3	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.54		>200	>200	>200	<b>√</b> 0.!	59	$\checkmark$	
2/L3	LIGHTING LCM - WC	0	В	2	2.5	2.5	0.4	61009 RCD/RCBO	С	10	10	30	2.19				0.70								
	SPARE																								
3/L2	LIGHTING LCM - LIFT LOBBY, DISABLED WC	0	В	2	2.5	2.5	0.4	61009 RCD/RCBO	С	10	10	30	2.19				0.41		>200	>200	>200	✓ <sup>0.!</sup>		$\checkmark$	
3/L3	LIGHTING LCM - LIFT ENTRANCE DOWNLIGHTS	0	В	1	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.42		>200	>200	>200	✓ <sup>0.!</sup>	53	$\checkmark$	
4/L1	LIGHTING - STAIR PIR CONTROL	В	В		2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.68		>200	>200	>200	<b>√</b> 0.:	76	$\checkmark$	
4/L2	LIGHTING - STAIR BASEMENT -	В	В	21	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.96		>200	>200	>200	,1.	14	1	
	2ND																					~		$\checkmark$	
	SPARE																								
5/L1	LIGHTING - CORRIDOR PIR CONTROL	В	В	10			-	60898 MCB	С	10	10		2.19				1.13			>200	>200	<b>√</b> 1.:		$\checkmark$	
	LIGHTING - STAIRS 2ND - 6TH	В	В	18				60898 MCB	-	10	10		2.19				1.34				>200	<b>√</b> 1.4		$\checkmark$	
	DB/C/LT/2	G	В	1	16	16	5	60898 MCB	С	32	10		0.68				0.05		>200	>200	>200	<b>√</b> 1.°	17	$\checkmark$	
6/L1	KWH METER	D	В	1			0.4	60898 MCB	С	2	10		10.93												
6/L2	KWH METER	D	В	1			-	60898 MCB	С	2	10		10.93												
6/L3	KWH METER	D	В	1			0.4	60898 MCB	C	2	10		10.93												
	RIBUTION BOARD (DB) DETAILS e completed in every case)		design ation o	•			? - 2ND		TED				ls): <u>GAR</u>		RICK					:: <u>APPR(</u> 8/10/201		ECTR	ICIAN		
<u> </u>	•															r	TEST I	NCTD		те					<u> </u>
TO E	E COMPLETED ONLY IF THE DB IS	S NO	T COI	NNEC	TED	DIRE	CTLY	TO THE ORIGIN O	FTHE	INST	ALLA	TION					(enter se				ach inst	rumei	nt used)		
	y to DB is from: (RISING BUSBAR TAP OFF							) Nomin	al volta	age: (4	00	.)V	No. of	phases:	( <u>3</u>	)	Multi-fu	inction:		junist of		ntinui			,
Overa	urrent protection device for the distributio	n circ	cuit Ty	ype: (B	BS EN	88			) Rat	ing: ( <u>1</u>	00	)A					( <u>1012171</u> Insulatio		tance:		) ( Ea	rth fai	ult loop impe	dance:	)
	ciated RCD (if any) Type: (BS EN											)mA	Operatir	ng time:	(	) ms	( Earth el	ectrode	resista	nce.	) (	D:			)
Chara	cteristics at this DB Confirmation of sup	ply po	olarity:	( <u>Yes</u>	) F	Phase	sequen							μ.	( <u>5.15</u>	) kA	(				) (	<i></i>			)
This rep	ort is based on the model forms shown in Append	liv 6 of	00 707	14				*Where																	



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Electrical Contracting Engineers

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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	sheathed cables metallic conduit non-metallic trunking non-metallic trunking RCD																							
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cabl conduit	les in (	C) Thern non-n	noplastic ( netallic co	cables in Induit	(D) Thermoplastic cables in (I metallic trunking	E) Theri non-i	noplastic ca netallic trur	ables in nking	(F) Ther	noplastic / SV	NA cables	(G)Thermos	etting / SWA (	ables (H)	Mineral-insu	lated cables	s (0) oth	ner - state	_SX MULT	ICORE CABLING	i	
	Circuit description		po	served		cuit ctor csa	uo	Protective	device			RCD	ted *ª		Circu	it impedand	es (Ω)		Insu	lation resi	stance	arth re. Zs	RCD	Te: butto	
Circuit number		Type of wiring (see Codes)	Reference Meth (BS 7671)	Number of points se			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	Ring (mea	final circuit isured end t	o end)		rcuits e at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth 5 fault loop impedance, Zs	time		AFDD
				N	Live (mm²)	cpc (mm²)				(A)	(kA)	(mA)	 (Ω)	(Line) rı	(Neutral) rn	(срс) г2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	2) T	!) (ms)	RUD	AFUU
1/L1	UNDERFLOOR POWER TRACK	10	30	0.68				0.15		>200	>200	>200	<b>√</b> 0.26	i 24.2	$\checkmark$										
1/L2	UNDERFLOOR POWER TRACK	С	-			0.68				0.26		>200	>200	>200	<b>√</b> 0.33		$\checkmark$								
I/L3 UNDERFLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30																	0.08		>200	>200	>200	<b>√</b> 0.40	23.9	$\checkmark$	
2/L1	2/L1 UNDERFLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30																0.08		>200	>200	>200	<b>√</b> 0.18	2.12	$\checkmark$	
2/L2	//L1 UNDERFLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30 0.68																0.11		>200	>200	>200	✓ 0.55	23	$\checkmark$	
	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.11		>200	>200	>200	<b>√</b> 0.19	23.5	$\checkmark$	
3/L1	GENERAL POWER - BOOTH & TV	G	В	5	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68	0.30	0.30	0.30	0.10		>200	>200	>200	✓ 0.20	28.8	$\checkmark$	
3/L2	CLEANERS SOCKET	G	В	3	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68	0.51	0.51	0.51	0.14		>200	>200	>200	✓ 0.24	29	$\checkmark$	
	SPARE																								
	VIVREAU, WATER HEATER - TEA POINT	G	В	2	4	4	0.4	60898 MCB	С	32	10		0.68	0.55	0.55	0.52	0.19		>200	>200	>200	$\checkmark$			
	APLLIANCES - TEA POINT	G	В	6	4	4	0.4	60898 MCB	С	32	10		0.68	0.44	0.44	0.44	0.14		>200	>200	>200	$\checkmark$			
4/L3	APPLIANCES TEA POINT	G	В	6	4	4	0.4	60898 MCB	С	32	10		0.68	0.42	0.42	0.42	0.15		>200	>200	>200				
	GENERAL POWER - TEA POINT	G	В	5	4	4	0.4	60898 MCB	С	32	10	30	0.68	0.52	0.52	0.51	0.17		>200	>200	>200	✓ 0.19	29	$\checkmark$	
5/L2	SPARE																								
5/L3	SPARE																								
6/L1	SPARE																								
	SPARE																								
6/L3	SPARE																								
7/L1	SPARE																								
7/L2	SPARE																								
	RIBUTION BOARD (DB) DETAILS e completed in every case)		designa ation o	•			- 2ND F		TED			· · _	ls): <u>GAR</u>		ORICK					n: <u>APPR</u> 28/10/20	OVED EL 19	ECTRIC	IAN		
TO E	E COMPLETED ONLY IF THE DB IS	S NO	T CON	NNEC	TED	DIRE	CTLY	TO THE ORIGIN OI	TH	INST	ALLA	TION						INSTR							
Supp	y to DB is from: (RISING BUSBAR TAP OFF	=						) Nomin	al volt	age: ( <u>4</u>	00	_)V	No. of	phases:	( <u>3</u>	)	Multi-f	erial nu unction:		gainst e		t <b>rument</b> Intinuity			
Overo	urrent protection device for the distributio	on circ	cuit Ty	ype: (B	S EN	88			) Ra	ting: ( <u>1</u>	00	)A					(101217 Insulat	148 ion resis	stance.		) ( <u>.</u> Fa	rth faul	t loop imped	ance.	)
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	)	<u>A</u> n (		) mA	Operati	ing time:	(	) ms	(				) (	D:			)
Chara	cteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	) F	Phase	sequen	ce confirmed (where a	pprop	oriate):		Zs	0.08	_)Ω pf	(3.97	) kA	Earth e	electrode	e resista	ance:	) (	ש: 			)
	ort is based on the model forms shown in Appended by Certsure LLP Certsure LLP operatives				ECSA b	rands		*Where * © Copyright Certsure LL	0		ken fron	n BS 767	1, state s	ource: (							)		Page	21 of	33



SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

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### **CONTINUATION SHEET:** ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

COD	ES For Type of wiring	(A) Thermoplastic insulated / ( sheathed cables	B) Therm metall	noplastic c lic conduit	cables in t	(°) no	ermoplastic o n-metallic co	cables in induit	(D) Thermoplastic cabl metallic trunking	les in (E) 1	Thermopla 10n-metall	stic cables i ic trunking	(. /	Thermoplastic	/ SWA cable	s (G) Ther	mosetting / S	WA cables	H) Mineral-	-insulated ca	ables (O)	) other - state	e LSX	< MULTICO	RE CABLING		
5	Cir	cuit description	6	poq	served		cuit tor csa	I)	Prote	ective device	)		RCD	itted id ce*			it impedan			Insu	ulation resi	stance		earth nce, Zs	RCD operating	Tes butto	
Circuit number			Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			lax. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*		final circuit Isured end t		(complet	rcuits æ at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth © fault loop impedance, Zs	time		
				æ	Num	Live	cpc 🕈	<	ш						(Line)	(Neutral)	(cpc)			1				Ma		RCD	AFDD
0/1.1		<b>`</b>	6			(mm²)		(s)			(A)	(kA)	(mA)		n	rn	ľ2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)			(ms)		
8/L1 8/L2	FAN COIL UNIT		0	-	5 5	4	4 0.4 4 0.4		60898 MCB 60898 MCB		20 20	10 10		1.09 1.09				0.23 0.22		>200	>200	>200 >200		0.31			
8/LZ 8/L3	SPARE	)	U	в	b	4	4 0.4	+ 0	00898 IVICB	L	20	10		1.09				0.22		>200	>200	>200	$\vdash$	0.32			
-											_	_	_			1	1	1	L								
		OARD (DB) DETAIL		1 TESTE	D BY	7 Nan	ne (caj	pitals): G	ARY BA	RDRICK				Posi	tion: APF	PROVED	) ELEI	CTRICIA	Ν								
		UARD (DB) DETAIL in every case)	0	-	-		E/SP/2 T RISER	- 2ND							_						e: 28/10/2			511100			••••
TO Sup Ove Ass Cha	BE COMPLET ply to DB is from: rcurrent protectic ociated RCD (if ar racteristics at thi	/ TO THE ORIG ) No. of poles: ( ence confirmed (w	Nominal v ) )	voltage Rating <u>2</u> An ropriat	<b>ISTAL</b> : ( <u>400</u> : ( <u>100</u> : ( te): Fal	LATI )V )A )n se 2	DN No. nA Oper z <sub>s</sub> ( <u>0.08</u>	of phase rating tim )Ω	ne: ( 77 ( <u>3.97</u>	) )ms )kA	(ente Mul (1012 Insu (	ti-functi 17148 lation re	<b>FRUM</b> numbe on: esistanc	ENTS r agains	st each in ) (	Cont (	tinuity: h fault lo	ed) lop imped	ance:	) )							
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Circuits/equipment vulnerable to damage when testing:



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR <sup>.</sup>	T 12 : SCHEDULE OF CIRCUIT DETA	AILS /	AND	TEST	RES	ULTS		Circuits/equipment	vulnera	able to	damag	e whe	n testing	:												
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cabl conduit	les in (	C) Thern non-n	noplastic o netallic co	cables in Induit	(D) Thermoplastic cables in ( metallic trunking	(E) Therr	noplastic c netallic tru	ables in nking	(F) Ther	moplastic / SV	VA cables	(G) <sup>Thermose</sup>	tting / SWA o	ables (H) M	Aineral-insu	lated cables	(0) oth	ner - state L	_SX MUL	LTICORE	CABLING		
_	Circuit description		po	erved		cuit ctor csa	ion	Protective	e device			RCD	ted 1 e*		Circui	t impedanc	es (Ω)		Insul	lation resis	stance	earth 7.	ce, Zs	RCD operating	Te	
Circuit number		Type of wiring (see Codes)	Reference Metho (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*		final circuit: sured end to (Neutral)		All cir (complete one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth	ult loop impedan	time	RCD	
				ž	Live (mm²)	cpc (mm²)	(s)			(A)	(kA)	(mA)	(Ω)	(Line) ľı	rn	(CPC) [2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		(Ω)	(ms)	nob	AIDD
1/L1	LIGHTING LCM - TEA POINT	0	В	1				61009 RCD/RCBO	С	10	10	30	2.19				0.38			>200	>200	<b>√</b> 0.3		8.8	$\checkmark$	
1/L2	LIGHTING LCM - SPARE	0	В	1			-	60898 MCB	С	10	10		2.19				0.29			>200	>200	<b>√</b> 0.4				
1/L3	LIGHTING LCM - ROOM 2.20, 2.21, 2.22	0	В	3			-	60898 MCB	С	10	10		2.19				0.44			>200	>200	<b>√</b> 0.6				
2/L1	L2 LIGHTING LCM - ROOM 2.09 0 B 3 2.5 2.5 0.4 60898 MCB C 10 10 2.19 0.31 >200 >200 >200 >200 < 0.43																									
2/L2	L2       LIGHTING LCM - ROOM 2.09       0       B       3       2.5       2.5       0.4       60898 MCB       C       10       10       2.19       0.31       >200       >200       >200       0.43       0         L3       LIGHTING - ROOM 2.06, 2.07 &       0       B       3       2.5       2.5       0.4       60898 MCB       C       10       10       2.19       0.31       >200       >200       >0.43       0																									
2/L3	L3 LIGHTING - ROOM 2.06, 2.07 & 0 B 3 2.5 2.5 0.4 60898 MCB C 10 10 2.19 0.31 200 200 200 0.42 0.42 0.42 0.42 0.42 0.																									
	LIGHTING LCM - ROOM 2.03, 2.04	0	В	4	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.42		>200	>200	>200	<b>√</b> 0.5	53			
	LIGHTING - STAIRS BASEMENT - 2ND	В	В	17	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				1.14		>200	>200	>200	✓ 1.2	28			
	SPARE																									
	SPARE																									
4/L2	LIGHTING - STAIRS 2ND - 6TH	В	В	18	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				1.05		>200	>200	>200	√1.1	13			
	SPARE																									
5/L1	SPARE																									
5/L2	LIGHTING STAIR PIR CONTROL	В	В	9	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.40		>200	>200	>200	✓ 0.5	51			
	SPARE																									
6/L1	KWH METER	D	В	1	1.5		0.4	60898 MCB	С	2	10		10.93													
6/L2	KWH METER	D	В	1	1.5		0.4	60898 MCB	С	2	10		10.93													
6/L3	KWH METER	D	В	1	1.5		0.4	60898 MCB	С	2	10		10.93													
7/L1																										
	RIBUTION BOARD (DB) DETAILS e completed in every case)		design ation o				- 2ND F		STED				als): <u>GAR</u>		RICK					n: <u>APPR</u> 8/10/201	OVED EL 19	.ECTRI	ICIAN			
	E COMPLETED ONLY IF THE DB IS				TED		сті у		с тис								TEST I	NSTR	IMFN	TS						=
																	(enter s	erial nu	mber aç	jainst e	ach inst	rumen	nt used	1)		
Supp	y to DB is from: (RISING BUSBAR TAP OFF	=						) Nomin	al volt	age: (4	100	_)V	No. of	phases:	(3	)	Multi-fu					ontinuit				
Overa	urrent protection device for the distributio	on cire										)A					( <u>101217</u> Insulati		tance.		) ( Fa	rth fai	ılt loor	o impeda	nce.	)
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	)	2Δn (		) mA	Operati	ng time:	(	)ms	(				) (					)
	cteristics at this DB Confirmation of sup														( <u>3.97</u>		Earth e (	lectrode	e resista	ance:	RC ) (	,D:				)
	ort is based on the model forms shown in Append								0				71, state s								.)			Page	23 of	33
rublishe	d by Certsure LLP Certsure LLP operation	ates th	e NICEI	ις & ELI	EUSA b	rands		© Copyright Certsure Ll	LP (July	2018)																



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IPR18

### **CONTINUATION SHEET:** ELECTRICAL INSTALLATION CONDITION REPORT

SCH	EDULE OF CIRCUIT DETAILS AN	D TES	T RES	SULTS			Circuits/equipmen	nt vulne	erable	to dam	age wł	nen testi	ng:												
CODE	S For Type of wiring (A) Thermoplastic insulated / ( sheathed cables	B) Therm metall	ioplastic ca ic conduit	ibles in (C)	Thermoplastic c non-metallic co	ables in nduit	(D) Thermoplastic cables in metallic trunking	(E) The	hermoplasti on-metallic	tic cables ir trunking	י <b>(F)</b> ד	nermoplastic	/ SWA cables	(G) Therm	osetting / SV	VA cables (	H) Mineral-i	insulated cab	oles (O)	other - state	e LSX	MULTICO	RE CABLING		
mber	Circuit description	riring des)	Method 71)	C condu	ircuit uctor csa	7671)	Protective	e device			RCD Bu	ermitted talled levice*	Ring fi	inal circuits		All ci	rcuits	Insul	ation resis	stance	∠	red earth edance, Zs	RCD operating time		est tons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served Find the served		time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	(meas	ured end to (Neutral)		(complet one co	e at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth 😇 fault loop impedance, Zs		BCD	AFDD
7/1.0			:	Z Live (mm²	cpc - ) (mm²)	(s)			(A)	(kA)	(mA)	(Ω)	(Line) ľı	rn	(cpc) r2	(R1+R2)	R₂	(MΩ)	(MΩ)	(V)		(Ω)	(ms)	nob	
7/L3																									L
			3 desig	nation: DB	1E (1 T /2		. 1	ECTEI	n RV	Nam	ne (can	itals): G	ARY BAR	IDRICK				Positi	on: APE	PROVED	1 EI E(	TRICIAI	Ν		
	TRIBUTION BOARD (DB) DETAIL	9	-	of DB: EA		- 2ND I		E91EI	זסע				~	UNICK					28/10/2		ELEU		N		•••••
TO E Supp Over Asso Chara	BE COMPLETED ONLY IF THE DB IV to DB is from: (RISING BUSBAR TAP ( current protection device for the distribu- ciated RCD (if any) Type: (BS EN acteristics at this DB Confirmation of s	IS N( DFF ution ci	DT CO	NNECTE Type: (BS F /: (Yes	<b>d dire</b> In <u>88</u>	CTLY	TO THE ORIGIN ) Nom No. of poles: ( nce confirmed (wher	ninal vo ) R ) re appro	oltage: Rating: <u>A</u> n ropriate	STAL (400 (100 ( e): Tru	LATIC )V )A )m.	No. No. A Oper , ( <u>0.08</u>	of phases rating time 	ə: ( <sub>Zf</sub> ( <u>3.97</u>	) )ms )kA	(ente Mult ( <u>1012</u> Insu (	T INST r serial i-functic 17148 lation re h electro	RUME number on: sistance	<b>NTS</b> against	t each ir	Conti (	inuity: 1 fault lo	ed) op imped	ance:	)
Publish	oort is based on the model forms shown in App ed by Certsure LLP Certsure LLP of ck House, Houghton Hall Park, Houghton Regis	perates	the NICE	EIC & ELECS	A brands		°vvne © Copyright Certsure	0				ruri, Stât	e source:	·						)			Page 24	l of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PAR	12 : SCHEDULE OF CIRCUIT DETA	AILS	AND	TEST	RES	ULTS		Circuits/equipment	vulner	able to	damag	e whe	n testing													
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cab conduit	les in (	C) Therr	noplastic netallic c		(D) Thermoplastic cables in metallic trunking	E) Ther	noplastic c netallic tru	ables in nking		rmoplastic / SV	VA cables	(G)Thermos	etting / SWA o	cables (H) M	Vineral-insul	lated cable	s <b>(()</b> ) oth	ier - state	.SX MUL	LTICORE	CABLING		
	Circuit description		p	served		cuit ctor csa	uo	Protective	e device			RCD	ed *e		Circu	it impedanc	es (Ω)		Insu	Ilation resi	stance	arth	ce, Zs	RCD operating	Tes butto	
Circuit number		Type of wiring (see Codes)	Reference Metho (BS 7671)	Number of points se			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	Ring (mea	final circuit sured end t	o end)	All cir (complete one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth	ult loop impedanc	time	RCD	
				P	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )				(A)	(kA)	(mA)	— (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		(Ω) Φ	(ms)	NUD	AFUU
1/L1	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32		30	0.68				0.23		>200	>200	>200	<b>√</b> 0.1	19 2	8.9		
	UNDERFLOOR POWER TRACK	G	В	1	10	10	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.19		>200	>200	>200	<b>√</b> 0.2		9		
1/L3	GENERAL POWER - TEA POINT	G	В		4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68	0.36	0.36	0.36	0.17		>200	>200	>200	<b>√</b> 0.2	22 2	9		
	CLEANERS SOCKET - LIFT	G	В	1	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68				0.14		>200	>200	>200	<b>√</b> 0.2	21 2	8.9		
	CLEANERS SOCKET - CORRIDOR	G	В	5	4	4	0.4	61009 RCD/RCBO	С	32	10	30	0.68	0.57	0.57	0.45	0.21		>200	>200	>200	<b>√</b> 0.2	29 2	9		
	.3       SALON       G       B       2       4       0.4       60898 MCB       C       32       10       0.68       0.64       0.55       0.38       >200       >200       >200       v       0.20       v       0.20       28.8       0         .1       UNDERFLOOR POWER TRACK       G       B       1       10       10       0.4       61009 RCD/RCBO       C       32       10       30       0.68       0.26       >200       >200       >200       v       0.23       28.8       0																									
	.3       SALON       G       B       2       4       4       0.4       60898 MCB       C       32       10       0.68       0.64       0.55       0.38       >200       >00       100       100       100       100       100       100       1																									
	L1 UNDERFLOOR POWER TRACK G B 1 10 10 0.4 61009 RCD/RCBO C 32 10 30 0.68 D 0.26 >200 >200 >200 v 0.23 28.8 D 12 UNKNOWN G B 2 4 4 0.4 60898 MCB C 20 10 1.09 D 1.09 D 1.09 D 1.4 >200 >200 v 0.31 0 0.31 0 0 0.31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																									
3/L3	L1       UNDERFLOOR POWER TRACK       G       B       1       10       0.4       61009 RCD/RCBO       C       32       10       30       0.68       D.26       >200																									
4/L1	L2       UNKNOWN       G       B       2       4       0.4       60898 MCB       C       20       1.09       0.14       >200       200       200       200																									
4/L2	SPARE																									
4/L3	SPARE																									
5/L1	STOR ROOM	G	В	3	4	4	0.4	61009 RCD/RCBO	С	32	10	10	0.68				0.30		>200			<b>√</b> 0.4	48 2	8.7		
	FAN COIL UNITS	0	В	7	4	4	0.4	60898 MCB	С	20	10	10	1.09				0.27		>200			✓ 0.3	34			
5/L3	FAN COIL UNITS	0	В	5	4	4	0.4	60898 MCB	С	20	10	10	1.09				0.28		>200			✓ 0.3	35			
6/L1																										
6/L2																										
6/L3																										
7/L1																										
7/L2																										
	RIBUTION BOARD (DB) DETAILS e completed in every case)		-		DB/SF LOWE			OOR STORE	STED				als): <u>GAR</u>		RICK					n: <u>APPR</u> 28/10/201		ECTRI	ICIAN			
TO B	E COMPLETED ONLY IF THE DB IS	S NO	T COI	NNEC	TED	DIRE	CTLY	TO THE ORIGIN O	F THI	INS	TALLA	TION	1				<b>TEST I</b>									
								) Nomin				)V		phases:	(3	)	(enter s Multi-fu	erial nu unction:		gainst e		rumen Intinuit		d)		
	urrent protection device for the distributio							······································		ting: (1		)A					(101217)	148			) (		·			)
	-														,		Insulati	ion resis	stance:		Ea	rth fau	ult loo	p impeda	ance:	,
	iated RCD (if any) Type: (BS EN																۲ Earth e	lectrode	e resist	ance:	/ ' RC	;D:				/
Characteristics at this DB Confirmation of supply polarity: (Yes ) Phase sequence confirmed (where appropriate): $\Box_{Zs}$ (0.10 ) $\Omega_{pf}$ (3.91 ) kA																	)									
This rep	ort is based on the model forms shown in Append	dix 6 of	BS 767	/1				*Where	figure	s not ta	ken from	1 BS 76	71, state s	ource: ( <sub></sub>							)			_	٦	
	d by Certsure LLP Certsure LLP operation				ECSA b	rands		© Copyright Certsure Ll	LP (July	2018)														Page	25 of	33



SCHEDULE OF CIRCULT DETAILS AND TEST RESULTS

### WEBSTER THOMAS ELECTRICAL LTD

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CIRCUIT DETAILS AND	) TESI	T RE	SULI	rs			Circuits/equipmen	ıt vulne	erable t	to dam	age w	hen testi	ng:												
CODE	S For Type of wiring (A) Thermoplastic insulated / (I) sheathed cables	B) Thermo metallic	plastic o c conduit	cables in t	(C) TI	nermoplas on-metallio	ic cables in conduit	(D) Thermoplastic cables in metallic trunking	(E) Th	nermoplasti on-metallic	ic cables ir trunking	n (F)	l fhermoplastic	/ SWA cables	(G) Therm	nosetting / S\	NA cables	H) Mineral-i	insulated ca	bles (O)	other - state	° LSX	( MULTICO	RE CABLING		
-	Circuit description		рог	served		cuit ctor csa	) )	Protective	device			RCD	tted d ce*		Circuit	t impedano			Insu	lation resis	stance		earth nce, Zs	RCD operating	Te: butto	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			1ax. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*		inal circuits ured end to		(comple	rcuits æ at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth © fault loop impedance, Zs	time		
			Re	Num	Live (mm²)	cpc (mm²)	≌ (s)	<u>m</u>		(A)	ਿਸ ਹੈ (kA)	(mA)		(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		⊖ fault	(ms)	RCD	AFDD
8/L1					(11111-)	(11111-)	(5)			(A)	(KA)	(IIIA)	(Ω)			12	(n1+n2)	nz	(10152)	(17152)	(v)		(52)	(1115)		
8/L2																										
8/L3																										
(to t	TRIBUTION BOARD (DB) DETAILS be completed in every case)	Loc	cation	n of DE		/ER GF		LOOR STORE			Sign	ature:	0	ARY BAR	IDRICK			TINST	Date:	28/10/2	2ROVED 2019	ELEC	CTRICIA	N		
Supp Over Asso	BE COMPLETED ONLY IF THE DB Iy to DB is from: (MCCB 2 current protection device for the distribu ciated RCD (if any) Type: (BS EN acteristics at this DB Confirmation of s	tion cir	rcuit	Туре:	: (BS E	N <u>609</u> 4	17-2)	Nom) Nom	iinal vo ) F )	oltage: Rating: <u>A</u> n	( <u>400</u> ( <u>100</u> (	) V ) A ) m	No. A Oper	of phases ating time )Ω <sub>[2]</sub>	ə: (	) )ms )kA	(ente Mul ( <u>1012</u> Insu (	er serial ti-functio 17148 lation re h electro	number on: esistanc	<b>agains</b> e:	) (	Cont	inuity: h fault lo	<b>ed)</b> oop imped	ance:	) ) )
This rep Publish	port is based on the model forms shown in Appr ed by Certsure LLP Certsure LLP op ck House, Houghton Hall Park, Houghton Regis,	endix 6 o erates tł	of BS 7 he NIC	7671 CEIC &					re figur	re is not	taken fi			7 e source:	~						)			Page 26	of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

1/12       SUMP PUMP - TANK ROOM       D       B       2       4       4       0.4       50898 MCB       C       20       10       N/A       10.9       I       D       D       200       >200       200       200       200       200       200       200       200       200       200       200       200       200       200       200       200       200       200       200	PAR	<b>12 : SCHEDULE OF CIRCUIT DET</b>	AILS	AND	TEST	RES	ULTS		Circuits/equipr	ment vu	Inera	ble to	damag	e whei	n testing	I:												
	CODES	For Type of wiring (A) Thermoplastic insulated / (B sheathed cables	) Thermor metallic	plastic cab conduit	les in (	C) Ther non-i	moplastic metallic co	cables in Induit	(D) Thermoplastic cable metallic trunking	<sup>les in</sup> (E)	Therm non-m	oplastic ca etallic trun	ables in nking	(F) Therr	moplastic / S	WA cables	(G)Thermos	etting / SWA c	ables (H)	Mineral-insu	lated cables	(0) oth	er - state	LSX N	IULTICO	RE CABLING		
NIT       Disker AL POWER-LARGEMENT       D       B       P       R       A       D <thd< td=""><td>-</td><td>Circuit description</td><td>6</td><td>poq</td><td>served</td><td></td><td></td><td>tion 1)</td><td>Pr</td><td>rotective d</td><td>evice</td><td></td><td></td><td></td><td>itted id ce*</td><td></td><td></td><td>•</td><td></td><td></td><td>Insul</td><td>ation resis</td><td>stance</td><td></td><td>earth nce, Zs</td><td></td><td></td><td></td></thd<>	-	Circuit description	6	poq	served			tion 1)	Pr	rotective d	evice				itted id ce*			•			Insul	ation resis	stance		earth nce, Zs			
NIT       Disker AL POWER-LARGEMENT       D       B       P       R       A       D <thd< td=""><td>Circuit numbe</td><td></td><td>Type of wirin (see Codes)</td><td>eference Met (BS 7671)</td><td>ber of points :</td><td></td><td></td><td>ax. disconnec time (BS 767</td><td>3S (EN)</td><td></td><td>Type</td><td>Rating</td><td>ort-circuit apacity</td><td>Operating current, I∆n</td><td>aximum perm Zs for installe rotective devi</td><td>Ring (mea</td><td></td><td></td><td>(complet</td><td>e at least</td><td></td><td></td><td>voltage</td><td>Polarity</td><td>ax. measured t loop impeda</td><td>time</td><td></td><td></td></thd<>	Circuit numbe		Type of wirin (see Codes)	eference Met (BS 7671)	ber of points :			ax. disconnec time (BS 767	3S (EN)		Type	Rating	ort-circuit apacity	Operating current, I∆n	aximum perm Zs for installe rotective devi	Ring (mea			(complet	e at least			voltage	Polarity	ax. measured t loop impeda	time		
NIT       Disker AL POWER-LARGEMENT       D       B       P       R       A       D <thd< td=""><td></td><td></td><td></td><td>œ</td><td>Num</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(R1+R2)</td><td>R₂</td><td>(MΩ)</td><td>(MΩ)</td><td></td><td></td><td>Ω) Ω</td><td>(ms)</td><td>RCD</td><td>AFDD</td></thd<>				œ	Num														(R1+R2)	R₂	(MΩ)	(MΩ)			Ω) Ω	(ms)	RCD	AFDD
1/13       SPARE       1<		GENERAL POWER - BASEMENT	D	В	7	4			61009 RCD/RCB0	0	С					0.45	0.45							$\checkmark$	0.19		$\checkmark$	
21.1       SPARE	1/L2	SUMP PUMP - TANK ROOM	D	В	2	4	4	0.4	60898 MCB		С	20	10	N/A	1.09				0.29		>	>200	>200	$\checkmark$	0.38			
PARE       Display	1/L3	SPARE																										
21.3       SPARE	2/L1	SPARE																										
10.1       PPARE       1<	2/L2	2/L3       SPARE       Image: Spare in the system of the system o																										
10.1       PPARE       1<	2/L3	2/L3       SPARE       Image: Spare in the system of the system o																										
9/12       SPARE       0<	3/L1	2/L3       SPARE       Image: Constraint of the system of the sys																										
31/3       SPARE       Image: Spare in the sequence on firmation of supply polarity: (Yes_)       Image: Spare in the sequence on firmation of supply polarity: (Yes_)       Image: Spare in the sequence in the sequence on firmation of supply polarity: (Yes_)       Image: Spare in the sequence in the sequen	2/L3       SPARE       Image: SPARE </td																											
41.1 SPARE   41.2 SPARE   41.2 SPARE   41.3 SPARE   51.1 SPARE   51.1 SPARE   51.2 SPARE   51.3 SPARE   51.4 SPARE   51.3 SPARE   51.4 SPARE   51.3 SPARE   51.4 SPARE   51.2 SPARE   51.3 SPARE   51.4 SPARE   51.2 SPARE   51.3 SPARE   51.4 SPARE   51.5 SPARE   51.2 SPARE   52.4 SPARE   51.3 SPARE   51.4 SPARE   51.5 SPARE   51.2 SPARE   52.4 SPARE   52.5 Location of DB: WEST BASEMENT   52.6 Searce and	3/L1       SPARE       I<																											
4/12       SPARE	3/L1       \$PARE       Image: Constraint of the system of the sys																											
4/3       SPARE       Image: Spare																												
6.1 \$PARE   6.1 \$PARE   6.2 \$PARE   6.1 \$PARE   7.1 \$PARE   7.1 \$PARE   7.2 \$PARE   7.3 \$PARE   7.4 \$PARE   8.13 \$PARE   9.0 \$PARE   9.0 \$PARE   9.0 \$PARE   9.0 \$PARE   9.0 \$PARE   9.0 \$PARE   10.0 \$PARE   11.1 \$PARE   12.2 \$PARE   13.3 \$PARE   14.1 \$PARE   15.2 \$PARE   10.1 \$PARE   10.1 \$PARE   10.2 \$PARE   10.3 \$PARE   10.4 \$PARE   10.5 \$PARE   10.5 \$PARE <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><math>\vdash</math></td><td></td><td></td><td></td><td></td></t<>			-			-																		$\vdash$				
6/1.3       SPARE       Image: Constraint of the section of th	5/L1		-			-																						
6/1.3       SPARE       Image: Constraint of the section of th	5/L2		-																									
6/.1 SPARE   6/.2 SPARE   6/.2 SPARE   6/.3 SPARE   7/.1 SPARE   8.0 SPARE   9.0 SPARE   7/.1 SPARE   9.0 SPARE   9.0 SPARE   7/.1 SPARE   9.0 Segment in the segment in	5/L3		-																									
S/L2 SPARE   S/L3 SPARE   G/L3 SPARE   G/L4 SPARE   G/L3 SPARE   DISTRIBUTION BOARD (DB) DETAILS DB designation: DB/W/SP/B   Location of DB: WEST BASEMENT   TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION   Supply to DB is from: (MCCB-2   Overcurrent protection device for the distribution circuit   Type: (BS EN   Max or place (and (ang))   Characteristics at this DB Confirmation of supply polarity: (Yes_)   Phase sequence confirmed (where appropriate): Z   Stable of the distribution in Appendix 6 of BS 7671	6/L1																											
6/L3 SPARE   7/L1 SPARE   7/L1 SPARE   7/L1 SPARE   7/L2 SPARE   7/L2 SPARE   0 0   0 0   7/L2 SPARE   0 0   0																												
7/12       SPARE       DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DB/W/SP/B Location of DB: WEST BASEMENT       TESTED BY Signature:       Name (capitals): GARY BARDRICK Signature:       Position: APPROVED ELECTRICIAN Date: 28/10/2019         TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION Supply to DB is from: (MCCB-2)       Nominal voltage: (3) V       No. of phases: (400)       Nulti-function: (101217148)       Continuity: (101217148)       (10121																												
DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DB/W/SP/B Location of DB: WEST BASEMENT       TESTED BY Signature:       Name (capitals): GARY BARDRICK Signature:       Position: APPROVED ELECTRICIAN         DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DB/W/SP/B Location of DB: WEST BASEMENT       TESTED BY Signature:       Name (capitals): GARY BARDRICK Signature:       Position: APPROVED ELECTRICIAN         DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       Date: 28/10/2019       Date: 28/10/2019         TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION       Signature:       Continuity:         Supply to DB is from: (MCCB-2       ) Nominal voltage: (3 )V       No. of phases: (400 )       Nulti-function: (Insulation resistance:       Continuity: (101217148 )         Associated RCD (if any)       Type: (BS EN) No. of poles: ()       MA Operating time: ()mA       Mare (52.) kA       Earth fault loop impedance: ()         Characteristics at this DB       Confirmation of supply polarity: (Yes _) Phase sequence confirmed (where appropriate):       Z_S (0.09 ) Q // S (5.2 ) kA       Earth electrode resistance:       RCD: ()         This report is based on the model forms shown in Appendix 6 of BS 7671       *Where figure is not taken from BS 7671, state source: ()       Nome of the model forms shown in Appendix 6 of BS 7671       Page 72 df 27.	7/L1	SPARE																										
DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DB/W/SP/B Location of DB: WEST BASEMENT       TESTED BY Signature:       Name (capitals): GARY BARDRICK Signature:       Position: APPROVED ELECTRICIAN         DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DB/W/SP/B Location of DB: WEST BASEMENT       TESTED BY Signature:       Name (capitals): GARY BARDRICK Signature:       Position: APPROVED ELECTRICIAN         DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       Date: 28/10/2019       Date: 28/10/2019         TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION       Signature:       Continuity:         Supply to DB is from: (MCCB-2       ) Nominal voltage: (3 )V       No. of phases: (400 )       Nulti-function: (Insulation resistance:       Continuity: (101217148 )         Associated RCD (if any)       Type: (BS EN) No. of poles: ()       MA Operating time: ()mA       Mare (52.) kA       Earth fault loop impedance: ()         Characteristics at this DB       Confirmation of supply polarity: (Yes _) Phase sequence confirmed (where appropriate):       Z_S (0.09 ) Q // S (5.2 ) kA       Earth electrode resistance:       RCD: ()         This report is based on the model forms shown in Appendix 6 of BS 7671       *Where figure is not taken from BS 7671, state source: ()       Nome of the model forms shown in Appendix 6 of BS 7671       Page 72 df 27.	7/L2	SPARE																										
Supply to DB is from:       (MCCB-2       ) Nominal voltage:       (3       ) V       No. of phases:       (400       )         Overcurrent protection device for the distribution circuit       Type:       (BS EN 60947-2       ) Rating:       (100       ) A         Associated RCD (if any)       Type:       (BS EN)       No. of poles:       ) MA       Operating time:       ) ma       Operating time:       ) ma       ) ma       Insulation resistance:       Earth fault loop impedance:         Characteristics at this DB       Confirmation of supply polarity:       Yes_)       Phase sequence confirmed (where appropriate):       Zs       (0.09       ) Provide tabulary (5.2       ) kA         This report is based on the model forms shown in Appendix 6 of BS 7671       *Where figure is not taken from BS 7671, state source:				-						TEST	ED I						DRICK				Date: <u>2</u>	8/10/201		ECT	RICIAI	N		
Supply to DB is from: (MCCB-2       ) Nominal voltage: (3       ) V       No. of phases: (400       )         Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2       ) Rating: (100       ) A       Multi-function:       Continuity:         Associated RCD (if any)       Type: (BS EN)       No. of poles: ()       ) MA       Operating time: ()ms       Insulation resistance:       Earth fault loop impedance:         Characteristics at this DB       Confirmation of supply polarity: (Yes)       Phase sequence confirmed (where appropriate):       Zs       (0.09)       ) (D       MA       Earth electrode resistance:       RCD:         This report is based on the model forms shown in Appendix 6 of BS 7671       *Where figure is not taken from BS 7671, state source: ()       Dece 73 of 1200	TO E	E COMPLETED ONLY IF THE DB I	S NO	T COI	NNEC	TED	DIRE	CTLY	TO THE ORIG	IN OF	THE	INST	ALLA	TION														
Overcurrent protection device for the distribution circuit Type: (BS EN 60947-2 ) Rating: (100 ) A       (101217148 ) ()         Associated RCD (if any) Type: (BS EN) No. of poles: () MA Operating time: ()ms       (101217148 ) ()         Characteristics at this DB Confirmation of supply polarity: (Yes _) Phase sequence confirmed (where appropriate): Z Zs (0.09 ) Q p (5.2 ) kA       (101217148 ) ()         This report is based on the model forms shown in Appendix 6 of BS 7671       *Where figure is not taken from BS 7671, state source: ()	Supp	y to DB is from: (MCCB-2							) N	Nominal	volta	ige: ( <u>3</u>		.)V	No. of	phases:	( <u>400</u>	)	Multi-f	unction:		jainst e				ed)		
Associated RCD (if any) Type: (BS EN) No. of poles: () mA Operating time: () ms ()	Overa																		·		stanco		) ( <u></u>	rth f	fault lo	on impode	anco	)
Characteristics at this DB       Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity: (Yes_)       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity:       Phase sequence confirmed (where appropriate):       Image: Confirmation of supply polarity:       Phase sequence confirmed (where approprise):       Image: Confirmation of supp	Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (		)	<u>∎</u> _n (		_) mA	Operat	ing time:	(	) ms	(				) (			sh mhen		)
This report is based on the model forms shown in Appendix 6 of BS 7671 *Where figure is not taken from BS 7671, state source: ()																		) kA	Earth e	lectrode	e resista	ince:	RC ) (	;D:				)
	This rep	ort is based on the model forms shown in Appe	ndix 6 o	f BS 767	/1				*	Where fig	gure is	s not tak				<i>r</i> .		J [					)			Page	27 of	33



SCHEDULE OF CIRCULT DETAILS AND TEST RESULTS

### WEBSTER THOMAS ELECTRICAL LTD

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### **CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT**

SCH	EDULE OF CIRCUIT DETAILS AND	) TES	T RE	SULI	rs			Circuits/equipme	nt vulne	erable	to dam	iage w	hen testi	ng:												
CODE	S For Type of wiring (A) Thermoplastic insulated / (E) sheathed cables	sheathed cables metallic conduit non-metallic conduit metallic trunking non-metallic trunking RCD														nosetting / S\	WA cables	(H) Mineral-	insulated ca	ibles (O	) other - state	e LSX	( MULTICC	RE CABLING	i	
er	Circuit description	6	hod	served		cuit ctor csa	ction 1)	Protectiv	re device		-		itted ed ce*			it impedanc			Insu	llation resi	stance		earth nce, Zs	RCD operating	Te butt	est cons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*	Ring t (meas	final circuit sured end t		(comple	ircuits te at least :olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth © fault loop impedance, Zs	time		
			Re	Num	Live (mm²)	cpc (mm²)	≝ (s)	ш		(A)	ਤੂੰ (kA)	(mA)	<u>Σ</u> Ξ. (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		() fault	(ms)	RCD	AFDD
	SPARE				(1111) /	(	(3)			(~)	(104)		(32)			12	(111+112)	112	(10132)	(19132)	(*/		(32)	(113)		
8/L2	SPARE																									
8/L3	SPARE																									
(to b	TRIBUTION BOARD (DB) DETAILS be completed in every case) 3E COMPLETED ONLY IF THE DB	Loc	cation	n of DE		ST BAS	SEMENT				Sign	nature:		ARY BAI	RDRICK			ST INST	Date	: 28/10/	PR0VED (2019	) ELEC	CTRICIA	N		
Supp Over Asso	IV to DB is from: (MCCB-2 current protection device for the distribut ciated RCD (if any) Type: (BS EN acteristics at this DB Confirmation of s	tion cir	rcuit	Туре:	: (BS E	N <u>609</u> 4	47-2 )	Non) Non	minal vo ) F )	oltage: Rating: <u>A</u> n	( <u>3</u> ( <u>100</u> (	) V ) A ) m	No. A Oper	of phase ating tim 	e: (	) )ms )kA	(ent Mu (101) Insu (		number on: esistanc	r agains :e:	) ( ) (	Cont (	inuity: h fault lo	ed) Dop imped	ance:	) )
Publish	oort is based on the model forms shown in Appe ed by Certsure LLP Certsure LLP op sk House, Houghton Hall Park, Houghton Regis,	erates tl	he NIC	CEIC &	ELECSA	A brand	s	*Whe © Copyright Certsure	0			rom BS	7671, stat	e source:	(						)			Page 28	3 of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	<b>ILS</b>	AND	TEST	RES	ULTS		Circuits/equipme	nt vulner	able to	damag	e whe	n testing													
CODE	<b>5 For Type of wiring</b> (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cabl conduit	es in (		noplastic netallic co		(D) Thermoplastic cables in metallic trunking	(E) Ther	moplastic metallic tru	cables in Inking	(F) Ther	moplastic / SV	VA cables	(G)Thermos	etting / SWA	ables (H)	Mineral-insu	lated cable	s (0) oth	ner - state	LSX N	NULTICO	RE CABLING		
	Circuit description		р	irved		<sup>r</sup> cuit ctor csa	uo	Prote	ctive device	9		RCD	ed *		Circu	it impedan	:es (Ω)		Insu	lation resi	stance		arth ce, Zs	RCD operating		est tons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Туре	Rating	Short-circuit capacity	Operating current, I∆n	Maximum permitted Zs for installed protective device*		final circuit sured end t		(complet	ircuits te at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	b Max. measured earth B 👸 fault loop impedance, Zs	time		
			ä	un N	Live (mm²)	cpc (mm²)				(A)	ੁੱਤ (kA)	(mA)	<sup>Ξ</sup> Ξ (Ω)	(Line) rı	(Neutral) rn	(cpc) r2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)		Ω) Ω	(ms)	RCD	AFDD
1/L1	LIGHTING BASEMENT	D	В	7	2.5		0.4	60898 MCB	С	10	10		2.19				0.64		>200	>200	>200	$\checkmark$	0.72			
1/L2	LIGHTING BASEMENT	D	В	4	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.44		>200	>200	>200	$\overline{}$	0.56			
1/L3	LIGHTING BASEMENT	D	В	8	2.5	2.5	0.4	60898 MCB	С	10	10		2.19				0.68		>200	>200	>200	$\overline{}$	0.71			
2/L1	2/L2 SPARE																									
2/L2	2/12       SPARE       Image: Spare in the system of the system o																									
	//2       SPARE       Image: Spare in the system of																									
	/L3       SPARE       Image: Spare in the system of																									
	/L3       SPARE       I </td																									
	/L3       SPARE       I </td																									
	SPARE																					┝┥				
	SPARE					<u> </u>				-												┝┤				
	SPARE																			+		┝╌┦				
	SPARE																			1		┝┤				
	SPARE																			+		┢╌┦				
5/L3	SPARE					<u> </u>				-												┝┤				
6/L1	KW METER	D	В	1	1.5	N/A	0.4	60898 MCB	С	2	10		10.93									┝╌┦				
	KW METER	D	В	1		N/A		60898 MCB	C	2	10		10.93							1		┝┤				
6/L3		D	В	1	1.5	N/A		60898 MCB	C	2	10		10.93							1		┝╌┦				
	RIBUTION BOARD (DB) DETAILS e completed in every case)		design ation o				MENT		ESTED				als): <u>GAR</u>		RICK				Date: 2	n: <u>APPR</u> 28/10/201			TRICIA	<u>N</u>		
	BE COMPLETED ONLY IF THE DB IS	S NO	T COM															INSTR serial nu			ach ins	trum	nent us	ed)		
Supp	ly to DB is from: (MCCB-2							) Nor	minal vol	tage: (	400	) V	No. of	phases:	( <u>3</u>	)		unction	:		Co	ontin	nuity:			
Over	current protection device for the distributio	on circ	cuit Ty	/pe: (B	S EN	60947	-2		) Ra	iting: (	100	)A					( <u>101217</u> Insulat	148 tion resi:	stance:		) ( Ea	arth <sup>.</sup>	fault lo	op impeda	ance:	)
	ciated RCD (if any) Type: (BS EN															) ms	(	electrod			) (	CD:				)
Chara	acteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	)	Phase	sequer								( <u>5.2</u>	) kA	(				) (					)
Publish	ort is based on the model forms shown in Append ed by Certsure LLP Certsure LLP oper k House, Houghton Hall Park, Houghton Regis, Du	ates th	e NICEI	C & ELE	ECSA b	rands		*Wh © Copyright Certsur	J		iken fron	n BS 76	71, state s	ource: ( <sub></sub>							)			Page	29 of	33



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## **ELECTRICAL INSTALLATION CONDITION REPORT**

PAR	T 12 : SCHEDULE OF CIRCUIT DETA	AILS /	AND	TEST	RES	ULTS		Circuits/equipme	ent vulner	able to	damag	e whe	n testing:	:											
CODES	For Type of wiring (A) Thermoplastic insulated / (B) sheathed cables	Thermop metallic	lastic cab conduit	les in (	C) Thern non-n	noplastic o netallic co		(D) Thermoplastic cables i metallic trunking		noplastic c netallic tru	cables in Inking	(F) Therr	moplastic / SV	VA cables	(G)Thermose	etting / SWA o	ables (H)	Mineral-insu	lated cables	s (0) oth	ner - state	LSX MULT	ICORE CABLING	3	
	Circuit description		po	erved	Cir condu	cuit ctor csa	cion (	Prote	ective device			RCD	tted J te*		Circui	it impedanc	es (Ω)		Insu	lation resi	stance	earth rce. Zs	RCD operating	Te butt	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, IΔn	Maximum permitted Zs for installed protective device*	Ring (mea	final circuits sured end to	o end)	All cir (complete one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity Max. measured earth 5 fault loop impedance, Zs	time	PCD	AFDD
				Ž	Live (mm <sup>2</sup> )	cpc (mm²)	(s)			(A)	∽ (kA)	(mA)	 (Ω)	(Line) rı	(Neutral) rn	(срс) г2	(R1+R2)	R2	(MΩ)	(MΩ)	(V)	2) [1]	!) (ms)	RCD	AFUU
1/L1	LIGHTING STATE ROOM DOWNLIGHT	0	В			2.5	0.4	60898 MCB	C	10	10		2.19				1.20		LIM	>200	>200	1.23			
1/L2	LIGHTING STAR, HULL, SALOON	0	В			2.5	0.4	60898 MCB	C	10	10		2.19				0.48		LIM	>200	>200	0.54			
1/L3	LIGHTING - CORRIDOR WEST & STORE	0	В	17	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				1.07		>200	>200	>200	1.18			
2/L1	LIGHTING KEEL OFFICE	0	В	17	2.5	2.5	0.4	60898 MCB	C	10	10		2.19				1.70		LIM	>200	>200	1.84			
2/L2	2       LIGHTING - PIR CORRIDOR CONTROL       0       B       7       2.5       0.4       60898 MCB       C       10       10       2.19       1.25       >200       >200       >200       1.37       C       10       10       2.19       1.25       .200       >200       >200       .200       1.37       C       10       10       2.19       10       1.25       .200       >200       .200       1.37       C       10       10       2.19       1.25       .200       >200       >200       .200       0.79       C       10       10       2.19       1.25       .200       >200       >200       .200																								
2/L3	3 LIGHTING - CORRIDOR EAST 0 B 14 2.5 2.5 0.4 60898 MCB C 10 10 2.19 D.68 >200 >200 >200 0.79																								
3/L1	3       LIGHTING - CORRIDOR EAST       0       B       14       2.5       0.4       60898 MCB       C       10       10       2.19       0.68       >200       >200       >200       0.79       0       0         1       LIGHTING - AREA CONTROLLERS       0       B       2.5       0.4       60898 MCB       C       10       10       2.19       0.68       >200       >200       >200       0.79       0       0         1       LIGHTING - AREA CONTROLLERS       0       B       2.5       0.4       60898 MCB       C       10       10       2.19       0.06       >200       >200       >200       0.10       0       0																								
3/L2	3       LIGHTING - CORRIDOR EAST       0       B       14       2.5       0.4       60898 MCB       C       10       10       2.19       0.68       >200       >200       >200       0.79       0       0         1       LIGHTING - AREA CONTROLLERS       0       B       2       2.5       0.4       60898 MCB       C       10       10       2.19       0.06       >200       >200       >200       0.10       0       0         1       LIGHTING ENGINE ROOM       0       B       2.5       2.5       0.4       60898 MCB       C       10       10       2.19       0.06       >200       >200       >200       0.10       0       0         2       LIGHTING ENGINE ROOM       0       B       6       2.5       0.4       60898 MCB       C       10       10       2.19       0.80       >200       >200       >200       0.10       0       0         2       LIGHTING ENGINE ROOM       0       B       6       2.5       0.4       60898 MCB       C       10       10       2.19       0.80       >200       >200       >200       >200       0.10       0       0       0       0.10 <t< td=""></t<>																								
3/L3	LIGHTING - CORRIFOR LED	0	В		2.5	2.5	0.4	60898 MCB	C	10	10		2.19				0.83		>200	>200	>200	0.89			
4/L1	SPARE																								
4/L2	SPARE																								
4/L3	SPARE																								
	SPARE																								
	SPARE																								
5/L3	SPARE																								
6/L1	KWH METER	D	В	1	1.0	1.5	N/A	60898 MCB	С	2	10		11.5				0.01		>200	>200	>200	<b>√</b> 0.08			
6/L2	KWH METER	D	В	1	1.0			60898 MCB	C	2	10		11.5				0.01			>200	>200	<b>√</b> 0.08			
6/L3	KWH METER	D	В	1	1.0	1.5	N/A	60898 MCB	C	2	10		11.5				0.01		>200	>200	>200	<b>√</b> 0.08			
	RIBUTION BOARD (DB) DETAILS e completed in every case)		design ation o					<sup>1</sup>	FESTED				ils): <u>GAR</u>		DRICK					n: <u>APPR</u> 28/10/201	OVED EI 19	LECTRIC	IAN		
TO E	E COMPLETED ONLY IF THE DB IS	S NO	T COI	NNEC	TED	DIRE	CTLY	TO THE ORIGIN	I OF THE	INS	TALLA	TION					TEST	INSTR	UMEN	ITS					
Supn	y to DB is from: (RISING BUSBAR TAP OFF	=						) No	minal volt	ade: (4	100	)V	No. of	phases:	(3	)	(enter s Multi-f	erial nu unction:		yainst e		trument ontinuity			
															\ <u></u>	/	(101217				) (	manarcy	•		)
	current protection device for the distribution											)A						ion resis	stance:			arth faul	t loop imped	lance:	
Asso	ciated RCD (if any) Type: (BS EN						)	No. of poles: (	)	<u>A</u> n (		) mA	Operati	ng time:	(	) ms	(	lectrode	o rosista		) (	CD:			)
Chara	cteristics at this DB Confirmation of sup	oply po	olarity:	(Yes	) F	hase	sequer	ice confirmed (whe	ere approp	oriate):	$\checkmark$	Zs (	0.07	_)Ω <i>βf</i>	(5.9	) kA	(		- 1-51510		) (	ט <i>י</i> .			)
	ort is based on the model forms shown in Appen ad by Certsure LLP Certsure LLP open				ECSA b	rands		*Wh © Copyright Certsur	nere figure i re LLP (July		ken fron	1 BS 767	71, state so	ource: (							)		Pag	e 30 of	33



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#### **ADDITIONAL NOTES**

### **ELECTRICAL INSTALLATION CONDITION REPORT**

(see additional page No.  $\underline{N/A}$ )

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### **NOTES FOR RECIPIENT**

#### THIS CONDITION REPORT IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

The purpose of periodic inspection is to determine, so far as is reasonably practicable, whether an electrical installation is in a satisfactory condition for continued service. This report provides an assessment of the condition of the electrical installation identified overleaf at the time it was inspected and tested, taking into account the stated extent of the installation and the limitations of the inspection and testing.

This report has been issued in accordance with the national standard for the safety of electrical installations, BS 7671: 2018 – Requirements for Electrical Installations.

The report identifies any damage, deterioration, defects and/or conditions found by the inspector which may give rise to danger (see PART 6), together with any items for which improvement is recommended.

If you were the person ordering this report, but not the user of the installation, you should pass this report, or a ful copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This report should be retained in a safe place and shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this report will provide the new user with an assessment of the condition of the electrical installation at the time the periodic inspection was carried out.

Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested every six months. For safety reasons it is important that this instruction is followed.

# For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. NICEIC\* recommends that you engage the services of an NICEIC Approved Contractor for the inspection.

The recommended date by which the next inspection should be carried out is stated in PART 5 of this report. There should also be a notice at or near the main switchboard or distribution board/consumer unit indicating when the next inspection of the installation is due.

Only an NICEIC Approved Contractor or Conforming Body is authorised to issue this NICEIC Electrical Installation Condition Report. You should have received the report marked 'Original' and the Approved Contractor should have retained the report marked 'Duplicate'.

This report form is intended to be issued only for the purpose of reporting on the condition of an existing electrical installation and must not be issued to certify new electrical installation work including the replacement of a distribution board or consumer unit.

The report consists of at least six numbered pages. Additional numbered pages may have been provided to permit further relevant information relating to the installation to be recorded. For installations having more than one distribution board or more circuits than can be recorded on PART 12, one or more additional Schedules of Circuit Details and Test Results should form part of the report. The report is invalid if any of the schedules identified in PART 10 are missing. The report has a printed seven-digit serial number, which is traceable to the Approved Contractor to which it was supplied by NICEIC.

PART 7 (Details and limitations) should identify fully the extent of the installation covered by this report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

Operational limitations may have been encountered during the inspection such as inability to gain access to parts of the installation or to an item of equipment. The inspector should have noted any such limitations in PART 7. It should be noted that the greater the limitations applying to a report, the less its value from the safety aspect.

A declaration should have been given by the inspector in PART 4 of the report. The declaration must reflect the statement given in PART 3, which summarises the observations and recommendations made in PART 6. Where one or more observations have been made in PART 6, the Classification code given to each by the inspector indicates the degree of urgency with which remedial action needs to be taken to restore the installation to a safe working condition.

Where the inspector has indicated an observation as code C1 (danger present) the safety of those using the installation is at risk. Wherever practicable, items classified as (C1) should be made safe on discovery, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work immediately.

Where the inspector has indicated an observation as code C2 (potentially dangerous) the safety of those using the installation may be at risk, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

Where the inspector has indicated that an item requires further investigation (FI), the investigation should be carried out without delay to determine whether danger or potential danger exists. For further guidance on the Classification codes, please see the reverse of page 2.

Where the installation can be supplied by more than one source, such as the public supply and a standby generator or microgenerator, this should be identified in PART 8 Supply Characteristics and Earthing Arrangements, and the Schedules of Circuit Details and Test Results (PART 12) compiled accordingly.

Where inadequacies in the intake equipment have been observed (Item 1 of PART 10), the person ordering the inspection should inform the distributor and/or supplier as appropriate.

Should the person ordering this report have reason to believe that it does not reasonably reflect the condition of the electrical installation reported on, that person should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the person ordering this report may make a formal complaint to NICEIC, for which purpose a complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

\* NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).

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For further information about electrical safety and how NICEIC can help you, visit **www.niceic.com** 

### **GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES**

Only one Classification code should be given for each recorded Observation

#### **Classification code C1 (Danger present)**

Where an observation has been given a Classification code C1, the safety of those using the installation is at risk and immediate remedial action is required.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

NICEIC makes available 'Electrical Danger Notification' forms to enable inspectors to record, and then to communicate to the person ordering the report, any dangerous condition discovered.

#### **Classification code C2 (Potentially dangerous)**

Classification code C2 indicates that, whilst those using the installation may not be at immediate risk, urgent remedial action is required to remove potential danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given at PART 5 of this report (Next Inspection) for the maximum interval until the next inspection is conditional upon all items which have been given a Classification code C1 and code C2 being remedied immediately and as a matter of urgency, respectively.

It would not be reasonable for the inspector to indicate that the installation is in a satisfactory condition if any observation in this report has been given a code C1 or code C2 classification.

#### **Classification code C3 (Improvement recommended)**

Where an observation has been given a Classification code C3, the inspection and/or testing has revealed a non-compliance with the current safety standard which, whilst not presenting immediate or potential danger, would result in a significant safety improvement if remedied. Careful consideration should be given to the safety benefits of improving these aspects of the installation. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

#### Code FI (Further investigation required without delay)

It should usually be possible for the inspector to attribute a Classification code to each observation without indicating a need for further investigation.

However, where 'FI' has been entered against an observation the inspector considers that further investigation of that observation is likely to reveal danger or potential danger that, due to the agreed extent or limitations of the inspection and/or testing, could not be fully identified at the time.

It would not be appropriate for the inspector to indicate that the installation is in a satisfactory condition if there is reasonable doubt as to whether danger or potential danger exists. Consequently, where the inspector has indicated 'Further investigation required without delay' (FI) the overall assessment of the installation (PART 3) should be marked as 'Unsatisfactory'.

If the inspector has indicated that an observation requires further investigation without delay, the person ordering this report is advised to arrange for the NICEIC Approved Contractor issuing the report (or another skilled person or persons competent in such work) to undertake further examination of that aspect of the installation as a matter of urgency, to determine whether or not danger or potential danger exists.

#### **Further information**

Further information on the application of Classification codes, primarily aimed at inspectors but of possible interest to persons ordering condition reports, can be found in Electrical Safety First's Best Practice Guide No 4 Electrical installation condition reporting: Classification Codes for domestic and similar electrical installations. The guide can be viewed or downloaded free of charge from www.electricalsafetyfirst.org.uk

For further information about electrical safety and how NICEIC can help you, visit www.niceic.com