## DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installation

EIC-0408181-001 Certificate Reference: DETAILS OF THE CLIENT Client: Y & T Properties Ltd 40 Fairfield Avenue, Upminster, Essex, RM14 3AY Address: DETAILS AND EXTENT OF THE INSTALLATION Installation Address: 85 Spencer Rd, Stoke, Stoke-on-Trent, Staffs, ST4 2BE Extent of the Complete rewire installation covered by this certificate: Addition to an Alteration to an N/A The installation is: New installation existing installation existing installation COMMENTS ON EXISTING INSTALLATION 10mm Earthing conductor from the rod to the MET, then 16mm to the consumer unit NEXT INSPECTION I RECOMMEND that this installation is further inspected and tested after an interval 10 Years TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers): 10114610 N/A Multi-functional: Earth electrode resistance: Insulation resistance: N/A Earth fault loop impedance: N/A Continuity: N/A RCD: N/A DESIGN, CONSTRUCTION, INSPECTION AND TESTING 1/We being the person(s) responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the design work for which I/we have been reponsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to 2015 except for the departures, if any, detailed as follows Details of departures from BS 7671, as amended (Regulations 120.3, 133.5): None Details of permitted exceptions (Regulations 411.3.3): Risk assessment attached None The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate. For the DESIGN, the CONSTRUCTION, and the INSPECTION AND TESTING of the installation: Date: 04/08/2018 Name: Mark Turner Position: Electrician Signature: DETAILS OF THE ELECTRICAL CONTRACTOR Trading Title: ETi Address: 53 Priam Close Registration Number 607173000 (if applicable): Bradwell Newcastle, Staffs 0777 222 1876 Telephone Number: ST5 8LJ Postcode:

8 Sl Eart	JPPLY CHARAC	TERISTICS	S AND EAF	RTHING	ARRANGE	MENTS		ı													
Arrang	ements ! Nun	mber and Type Conductors			Nature of Suppl	y Parame	ters	Supply	Protecti	ve Dev	vice										
TN-S	N/A 1-phase (2 wire):	4	ohase wire): N/A	Nomina voltage		O V Uo:	230 V	BS(EN):	1361 F	use H	łBC										
TN-C-S	¦ 3-phase N/Δ ; (3 wire):		ohase wire): N/A	1 1 1	Nominal frequ	ency, f:	50 Hz	Type:		2											
IN-C-S	Other:	N/		1	Prospective fa current, lpf:	ult	1.15 kA	Rated cur		80	Α										
TT		on of supply po	olarity:		External earth		0.35 Ω	Short-circle capacity:	cuit	33	kA										
	<u>i</u>	11 3 1	<b>y</b>		loop impedand																
	ARTICULARS O of Earthing	FINSTALL																			
Distribu	•	Type:	Earth		Location:	on Earth Electrode (where applicable)  Location: Front bedroom															
facility: Installat	ion	Resistance	Ν/Α Ω		Method of			thod 2 (Lo		or)											
earth el	ectrode:	to Earth:			measuremer	nt: 															
Maximu	m Demand (Load):	70 Amps		e measure electric sho		ADS	S 	Measu	red Ze:	70.	3 Ω										
Main Sw Type	ritch / Switch-Fuse /		er / RCD		Supply			D main swit	ch:												
BS(EN):			J	100 A	conductors material:	Coppe	~r	l residual iting curren	t (l∆n):	N/A	<b>,</b> mA										
Number of poles	7	Fuse/dev or setting	ice rating j:	N/A A	Supply	_	Rateo	I time delay		N/A	<b>∖</b> ms										
		Voltage r	ating:	240 v	conductors csa:	25 mr	ivieas	ured operat	ing	N/A	√ ms										
Earthing	and Protective Bond	ding Conductor	 S		Bonding	of extrane		(at I∆n): ctive parts													
Earthing	conductor		Connect		To water pipes:	installati	on 🗸	To gas pipes:	installati	on	<b>/</b>										
Conduct materia	(.000e)	csa: 10/1 r	nm <sup>2</sup> verified:			stallation	N/A	To light			N/Δ										
Main pro	otective bonding cond	ductors	Connect		pipes:		14/71		r service		1 4/ / 1										
materia	^	csa: 10 r	nm <sup>2</sup> verified:		To struc steel:	tural	N/A		N/A												
10 SC	CHEDULE OF IT	EMS I NSP	ECTED																		
Item				Descri	otion					Outc	ome										
1.0	DISTRIBUTOR'S	/ SUPPLY IN	TAKE EQUIP	MENT																	
1.1	Condition of service	e cable								•	_										
1.2	Condition of service									V	70.3 Ω N/A mA N/A ms N/A ms										
1.3	Condition of distrib			t						•											
1.4	Condition of tails -		nsumer							, v											
1.5	Condition of meteri		\m+\							•											
2.0	Condition of isolato	· · ·	<u> </u>	OLIDOES O	DE SLIDDI V						•										
	Adequate arrangem					alternativ	ve to the pu	ublic supply		NI.	/^										
2.1	(551.6)				to constitute of	la Ala a sassila	ll	FF4 7\													
3.0	Adequate arrangem				s in parallel wit	n the pub	onc supply (	551.7)		IN/	'A										
3.0	Presence and adequ				ng arrangemer	nte:															
3.1.1	Installation earth e					11.3.				N/	/A										
3.1.2	Earthing conductor	· · · · · · · · · · · · · · · · · · ·			<u> </u>	3.2)															
3.1.3	Main protective bor				-		.3.1.2; 543	.3.2)		-											
3.1.4	Provision of safety	electrical earth	ning / bonding	g labels at	all appropriate	locations	(514.13)			V	/										
3.1.5	RCD(s) provided fo	r fault protecti	on (411.4.9;	411.5.3)						V	/										
4.0	BASIC PROTECTION	ON																			
4.1	Presence and adequate the installation:	uacy of measu	res to provide	e basic pro	tection (preve	ntion of co	ontact with	live parts)	within												
4.1.1	Insulation of live pa	arts e.g. condu	ictors complet	tely covere	ed with durable	insulatio	n materials	(416.1)		V	/										
4.1.2	Barriers or enclosur	res e.g. correc	t IP rating (4°	16.2)						V											

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Item	Description	Outcon
5.0	ADDITIONAL PROTECTION	
5.1	Presence and effectiveness of additional protection methods:	
5.1.1	RCD(s) not exceeding 30mA operating current (415.1; Part 7), see Item 8.14 of this schedule	~
5.1.2	Supplementary bonding (415.2; Part 7)	N/A
6.0	OTHER METHODS OF PROTECTION	
6.1	Presence and effectiveness of methods which give both basic and fault protection:	
5.1.1	SELV systems including the source and associated circuits (Section 414)	N/A
5.1.2	PELV systems, including the source and associated circuits (Section 414)	N/A
5.1.3	Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	<b>/</b>
5.1.4	Electrical separation for one item or equipment e.g. shaver supply unit (Section 413)	<b>V</b>
7.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
7.1	Adeqacy of access and working space for items of electrical equipment including switchgear (132.12)	~
7.2	Presence of linked main switch(s) (537.1.4; 537.1.5; 537.1.6)	<b>/</b>
7.3	Isolators, for every circuit or group of circuits and all items of equipment (537.2)	<b>V</b>
7.4	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201)	~
7.5	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	~
	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure	<b>V</b>
7.6	(526.1)	
7.7	Avoidance of heating affects where cables enter ferromagnetic enclosures e.g. steel (521.5)	~
7.8	Selection of correct type and ratings or circuit protective devices for overcurrent and fault protection (411.3.2; 411.4, .5, .6; Sections 432, 433)	~
7.9	Presence of appropriate circuit charts, warning and other notices:	
.9.1	Provision of circuit charts/schedules or equivalent forms of information (514.9)	~
.9.2	Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	N/A
.9.3	Periodic inspection and testing notice (514.12.1)	~
'.9.4	RCD quarterly test notice; where required (514.12.2)	~
.9.5	Warning notice of non-standard (mixed) colours of conductors present (514.14)	N/A
7.10	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	~
8.0	CIRCUITS	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	~
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	~
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical sevices (528)	~
8.4	Cables correctly erected and supported throughout including escape routes, with protection against abrasion (Sections 521, 522)	<b>✓</b>
8.5	Provision of fire barriers, sealing arrangments where necessary (527.2)	~
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	N/A
8.7	Cables concealed under floors, above ceilings or in wall/partitions, adequately protected against damage (522.6.201, .202, .204)	~
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	~
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	~
3.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	~
3.11	No basic insulation of a conductor visible outside enclosure (526.8)	~
3.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.2)	~
3.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2;	

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12/S(	CHEDULE OF ITEMS INSPECTED							
Item	Description	Outcome						
8.14	Provision of additional protection by RCD not exceeding 30mA:							
8.14.1	Socket-outlets rated at 20 A or less unless exempt (411.3.3)	V						
8.14.2	Mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	V						
8.14.3	Cables concealed in walls at a depth of less than 50 mm (522.6.202, .203)	<b>'</b>						
8.14.4	Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	V						
8.15	Presence of appropriate devices for isolation and switching correctly located including:							
8.15.1	Means of switching off for mechanical maintenance (537.3)	·						
8.15.2	Emergency switches (537.4)	V						
8.15.3								
8.15.4	Firefighter's switches (537.6)	N/A						
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)							
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	· ·						
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	N/A						
9.3	Installed to minimise the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	V						
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	~						
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)							
10.1	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	~						
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	<b>'</b>						
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	<b>'</b>						
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)							
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from Zone 1 (701.512.3)	<b>'</b>						
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	V						
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)							
10.8	Suitability of current-using equipment for particular position within the location (701.55)	V						
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installations or locations present, if any (Record separately the results of particular inspect	ions)						
11.1	N/A	N/A						
11.2	N/A	N/A						
13 S	CHEDULE OF ITEMS TESTED							
Item	Description	Outcome						
12.1	External earth fault loop impedance, Ze	<b>'</b>						
12.2	Installation earth electrode resistance, Ra	N/A						
12.3	Continuity of protective conductors	<b>'</b>						
12.4	Continuity of ring final circuit conductors	N/A						
12.5	Insulation resistance between live conductors	<b>'</b>						
12.6	Insulation resistance between live conductors and earth	<b>'</b>						
12.7	Polarity	<b>/</b>						
12.8	Earth fault loop impedance, Zs	<b>'</b>						
12.9	Verification of phase sequence	N/A						
12.10	Operation of residual current device(s)	<i>'</i>						
12.11	Functional testing of assemblies	<b>/</b>						

All boxes must be completed. 'tick' indicates that an inspection or test was carried out and that the result was satisfactory. 'X' indicates than an inspection or test was carried out and the result is not satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation. 'LIM' indicates that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out.

12.12 Verification of voltage drop

14 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS  Designation of Legent 10 West Reput BCD								Prospective fault 115 1 Type of Wir								Wiring	ng								
consumer unit: Hager 10 Way Dual RCD Lo					Locatio			H	Hallway				current:				1.15 kA O-Other:				N/A				
					conduc	cuit ictors: e 7			Overcurrent protective devices			RCD	Circuit impedar			pedance	s (Ohms	5)	Insulation resistance			measured loop		RCD	
Circuit number	Circuit designation	of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	oe No	Rating	Capacity	Operating current, I∆n	Maximum Z <sub>S</sub> permitted by B <sup>§</sup>		final circuit sured end t		(one co	ircuits olumn to npleted)	Live - Live	e - Earth	Polarity	Maximum measu earth fault loop impedance Zs	Disconnection time at I\Dan	Disconnection time at 5lΔn	Test button operation
Circu		Туре	Refer	Numb	mm <sup>2</sup>	mm <sup>2</sup>	Max perm		Туре	A Ra	Ca	do mA	ω Ma Ω	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	R <sub>1</sub> +R <sub>2</sub>	R <sub>2</sub>	≧ MΩ	ω NΩ	Pol	Ω E ag I	ms Eig Eig	ms Eigh	Tes
	RCD Module 1	N/A		N/A	N/A	N/A		61008	N/A	63	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	~	N/A			
1	Cooker	А	В	3	4	1.5	0.4	60898	В	32	6	N/A	1.37	N/A	N/A	N/A	0.29	N/A	>999	> 999	~	75.20	N/A	N/A	N/A
2	Sockets - Upstairs back bed	А	В	4	2.5	1.5	0.4	60898	В	16	6	N/A	2.73	N/A	N/A	N/A	0.57	N/A	>999	> 999	~	74.99	N/A	N/A	N/A
3	Sockets - Upstairs Front bedroom	А	В	4	2.5	1.5	0.4	60898	В	16	6	N/A	2.73	N/A	N/A	N/A	0.48	N/A	>999	> 999	~	75.16	N/A	N/A	N/A
4	Lights - 1st floor & Smokes	А	В	16	1.0	1.0	0.4	60898	В	6	6	N/A	7.28	N/A	N/A	N/A	2.81	N/A	>999	> 999	~	73.11	N/A	N/A	N/A
5	Spare																								
	RCD Module 2	N/A	N/A	N/A	N/A	N/A	N/A	61008	N/A	63	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	~	N/A	44.4	12.8	~
6	Sockets - Kitchen	А	В	7	4	1.5	0.4	60898	В	32	6	N/A	1.37	N/A	N/A	N/A	0.54	N/A	>999	> 999	~	77.10	N/A	N/A	N/A
7	Sockets - Ground floor	А	В	6	2.5	1.5	0.4	60898	В	16	6	N/A	2.73	N/A	N/A	N/A	0.79	N/A	>999	> 999	~	74.25	N/A	N/A	N/A
8	Sockets - Downstairs bed	Α	В	4	2.5	1.5	0.4	60898	В	16	6	N/A	2.73	N/A	N/A	N/A	0.64	N/A	>999	> 999	~	75.63	N/A	N/A	N/A
9	lights - Ground floor	А	В	2	1.0	1.0	0.4	60898	В	6	6	N/A	7.28	N/A	N/A	N/A	1.43	N/A	>999	> 999	•	71.73	N/A	N/A	N/A
10																					~				
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