# ELECTRICAL INSTALLATION CONDITION REPORT



A Details	of the Client/Person O	dering the	Report	B. Reason for F	Producing	n this Reno	rt					
Client:	DEFRA FM - NV10020		rteport	Purpose of this re		g tillo repo						
Client:		550		To provide d		cults of the in	-service	e periodic				
Address:	Anglian Region			inspection ar								
	Kingfisher House Goldhay Way, Orton Go	ldham		accordance v								
	Peterborough	unam										
	PE2 5ZR			Date(s) on which I		30/11/202	1					
				and testing was ca	arried out							
C. Details	of the Installation whic	h is the Sub	ject of this Report		Doi	mestic	Comme	rcial	Industrial			
Installation:	Fish Diseases (Biology	Lab)		Description of premises:	Г	N/A	N/A	A	~			
Occupier:	DEFRA FM			Other:	_							
Address:	Fish Dissess Lab			N/A								
Address.	Fish Diseases Lab Central Area Office			Estimated age of	f wirina svste	m:		10	wre			
	Bromholme Lane			Evidence of alter			If yes	10	yrs			
	Brampton	Р	E28 4NE	or additions:		✓	estimate	ed Age 2	yrs			
Record of	✓ Records held	By: Head O	ffice			Date of previnspection:	vious	Not Known				
Installation av	railable:	, Houd o	11100			mapection.						
D. Extent	and Limitations Inspec	ion and Te	sting									
	ctrical Installation covered by this	report:		Agreed limitations incli			lation 653	.2)				
	nt comments;			For Agreed Limi		mments						
See Aud	ditional Page			See Additional	raye							
	Agreed with name											
Operational L	Operational Limitations including the reasons (See page No 10 to 11 )											
For Opera	ational Limitations comme	ents										
See Additional Page												
This inspectio	n and testing detailed in this repo	ort and accompa	inying schedules have bee	n carried out in accord	ance with BS	67671:2018 ( <b>I</b> ET	Wiring R	egulations) as	amended			
It should be n	noted that cables concealed withi											
other electric	ed unless specifically agreed bet al equipment.	veen the client a	and inspector prior to the ir	ispection. An inspectio	n should be i	made within an a	accessible	roof space ho	using			
E. Summa	ary of the Condition of t	he Installati	On General conditi	on of the installations (	In terms of e	lectrical safety)						
For Sumr	nary of the Condition of th	e Installatior	n comments									
	ditional Page											
Overell coop	pagement of the installation		*An unsatisfactory ass	sessment indicates that	t dangerous	(code C1) and/o	or potentia	lly dangerous (	(code			
Overall asse	essment of the installation U	nsatisfactory	C2) conditions have b		. aangoroad	(0000 0 1) 0110/0	, potoritio	ny danigorodo (	0040			
F. Recom	mendations											
	verall assessment of the suitabilitent' (code C1) or 'Potentially dang				SFACTORY,	I recommend	that any	observations c	lassified as			
Investigation v	without delay is recommended fo	r observations id	dentified as 'further investig	gation required' (code F	=1).							
Observation of	classified as 'Improvement recom Subject to the		edial action being taken		installation is	s further inspect	ed and te	sted by 03/1	2/2024			
G. Declara	ation I , being the person	n(s) responsible	for the inspection and testi	ing of the electrical inst	tallation (as i	ndicated by My	signatur	es below), parti	iculars of			
Or Boolard	which are described		kercised reasonable skill a e observations and attache									
	installation taking into		ated extent and limitations									
Trading Title	Powertest Ltd, Delta House,						0000	14				
and address	Bridge Road,				NICEIC En	rolment Number	2338	,4 				
	Haywards Heath, West Sussex, RH16 1UA				Branch N	lo. (If Applicable	) N/A					
Inspected an												
	chard Johns	Position	Grade 1 Test Engir	neer Signature		No.	Date	30/11/202	21			
	orised for issue by:				/\ \/	, , , , ,						
Name Ste	even Cope	Position	Qualified Superviso	or Signature	P,	latar	Date	13/12/202	21			
H. Schedu	IIe(s) The attached schodul	e(s) are part of t	his document and this repo	ort is valid only when th	nev are attack	hed to it						
				·	•	neu io ii.						
2	Schedule(s) of inspectio	and 2	Schedule(s)	of test results are attac	hed							

### 80347 - Master

	acteristics	and Earthing	Arrangeme	ents								
Earthing Arrangements	Nu	umber and Type of	Live Conduct	ors	Nature of		arameters		Supply protective device	ce		
TN-S N/A	a.c.	✓		d.c. N/A	Nominal Voltage	U <sup>(1)</sup> 4(	00 V	BS(EN)				
TN-C-S ✓	1-Phase (2 wire)	N/A 1-Phase (3 wire)	N/A	2 Wire N/A	Nominal Voltage	U <sub>0</sub> <sup>(1)</sup> 23	30 V	LIM				
TN-C N/A	2-Phase (3 wire)	N/A		3 Wire N/A	Nominal frequency	f <sup>(1)</sup> 5(		Type N/A				
TT N/A	3-Phase	N/A 3-Phase	N/A	Other N/A	Prospective fault current	ipi · · · Iz	2 kA	N/A Nominal				
	(3 wire)	(4 wire)			External loop	<sup>p</sup> Ze <sup>(2)</sup> 0.	.03 Ω	Nominal current ra	ating LIM	Α		
IT N/A	Other N/A				Number of supplies	2		Short circ	N/A	kA		
		n of supply polarity		✓	(Note: (1) by by measurem		2) by enquiry or					
J. Particulars	of Installat	ion Referred t	o in the Re	port								
Means of ear	thing			Details o	f installation E	arth Elect	trode (where ap	oplicable)				
Distributor's facility	✓	Type (e.g. rod(s), tape etc.)	N/A		Loca	ation	N/A					
Installation	N/A	Resistance to	N/A		Ω							
earth electrode		Earth				nod of						
					mea	surement	N/A					
Main Protective Conductors  Tick boxes and enter details as applicable												
Earthing Conductor	Material	Copper		csa 120	mm <sup>2</sup>	Conti	inuity Verified	<b>✓</b>	Connection Verifi	ied 🗸		
Main protective bonding conductors	Material	Copper		csa 10	mm <sup>2</sup>	Cont	tinuity Verified	✓	Connection Verifi	ied 🗸		
144 ( ) ( ) ( )	N/A J N/A N/A N/A											
pipes L	N/A	pipes	Steel N/A	protection			N/A	Amps				
Oil installation pipes												
		Other incoming service(s)	N/A N/A				ADS					
Main Switch / S	Switch-Fus	se / Circuit-Bre	eaker / RC	D								
Location Sw	vitchroom M	/lain DB				Current	t 400	Α	if RCD main sw			
						rating Fuse/De	evice 400	Δ	operation current, N/A	A mA		
							or setting 400	A	Rated time delay N/A	A ms		
Type BS(EN) 60	947 <b>-</b> 2 MCC	;B	No	of poles 3		Voltage rating	400	V				
Supply	947-2 MCC	В	No Supply Conductors csa	100	mm <sup>2</sup>		400	V				
Supply Conductors Co	opper	В	Supply Conductors	100	mm <sup>2</sup>		400	V	RCD Operating N/A			
Supply Conductors material  K. Observation	opper		Supply Conductors csa	120		rating	100		RCD Operating N/A	A ms		
Supply Conductors material  K. Observation	opper	e(s) of Inspection and	Supply Conductors csa	and subject to	the limitations s	rating	100		RCD Operating time at, IΔn	A ms		
Supply Conductors material  K. Observation Referring to the attack	opper	e(s) of Inspection and	Supply Conductors csa	and subject to	the limitations s	rating	100		RCD Operating time at, IΔn	A ms		
Supply Conductors material  K. Observation Referring to the attac No remedial action is	opper  IS Iched scheduler s required.	e(s) of Inspection and	Supply Conductors csa d Test Results, owing observat	and subject to tions are made	the limitations s	rating	t the Extent and	I Limitations	RCD Operating time at, IΔn	ms ms		
Supply Conductors material  K. Observation Referring to the attac No remedial action is Item No	opper  IS  ched schedule s required. N	e(s) of Inspection and	Supply Conductors csa d Test Results, owing observat	and subject to tions are made Obs	the limitations s  servations 3; Chap 54)	rating specified at 3.6 Con	t the Extent and	I Limitations	RCD Operating time at, IΔn N/A	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attack No remedial action is Item No  1 3.0	opper  ched scheduler s required. N  EARTHING ductor sizes	e(s) of Inspection and N/A The folk G / BONDING AR	Supply Conductors csa d Test Results, owing observat RRANGEME	and subject to tions are made Obs	the limitations s  servations 3; Chap 54)	rating specified at 3.6 Con	t the Extent and	I Limitations	RCD Operating time at, IΔn N/A	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attack No remedial action is Item No  1 3.0	opper  ched scheduler s required. N  EARTHING ductor sizes	e(s) of Inspection and N/A The folk B / BONDING AR s (544.1), Comm	Supply Conductors csa d Test Results, owing observat RRANGEME	and subject to tions are made Obs	the limitations s  very very very very very very very very	rating specified at 3.6 Con	t the Extent and	I Limitations	RCD Operating time at, IΔn N/A	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attac No remedial action is Item No  1 3.0	opper  ched scheduler s required. N  EARTHING ductor sizes	e(s) of Inspection and N/A The folk B / BONDING AR s (544.1), Comm	Supply Conductors csa d Test Results, owing observat RRANGEME	and subject to tions are made Obs	the limitations s  very very very very very very very very	rating specified at 3.6 Con	t the Extent and	I Limitations	RCD Operating time at, IΔn N/A	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attac No remedial action is Item No  1 3.0 conductors	ppper  ched scheduler s required.  EARTHING ductor sizes ductor in all	e(s) of Inspection and N/A The follo B / BONDING AF s (544.1), Comm I installations. Ta	Supply Conductors csa d Test Results, owing observat RRANGEME nent: Main p able 54.8	and subject to tions are made Obs ENTS (411.	the limitations servations 3; Chap 54) onding condi	rating specified at 3.6 Con uctor is u	of the Extent and of the transfer of the trans	Main profin relation	RCD Operating time at, IΔn  N/A  s of the Inspection and tese stective bonding n to PEN	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attac No remedial action is Item No  1 3.0 conductors	ppper  Sched scheduler s required. N  EARTHING ductor sizes ductor in all	e(s) of Inspection and N/A The follows The follows (5 / BONDING AF) installations. Tale propriate, has been a	Supply Conductors csa d Test Results, owing observat RRANGEME nent: Main p able 54.8	and subject to tions are made Obs ENTS (411.	the limitations servations 3; Chap 54) onding condi	rating specified at 3.6 Con uctor is u	of the Extent and of the transfer of the trans	Main profin relation	RCD Operating time at, IΔn N/A	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attach No remedial action is litem No  1 3.0 litem No Conductors material	ched scheduler s required. N  EARTHING ductor sizes ductor in all	e(s) of Inspection and N/A The follows The follows (5 / BONDING AF) installations. Tale propriate, has been a	Supply Conductors csa  d Test Results, owing observat  RRANGEME nent: Main pable 54.8	and subject to tions are made Obs	servations 3; Chap 54) onding conding	rating specified at 3.6 Con uctor is u	of the Extent and of the transfer of the trans	Main profin relation	RCD Operating time at, IΔn  N/A  s of the Inspection and tese stective bonding n to PEN	ms sting section.		
Supply Conductors material  K. Observation Referring to the attack No remedial action is Item No  1 3.0 Conductors Conduc	ched scheduler s required. N  EARTHING ductor sizes ductor in all	e(s) of Inspection and N/A The follows:  6 / BONDING AF (S44.1), Common I installations. To propriate, has been action.	Supply Conductors csa  d Test Results, owing observat  RRANGEME nent: Main pable 54.8	and subject to tions are made Obs ENTS (411 protective be	the limitations servations 3; Chap 54) onding conditions relations made a	rating specified at 3.6 Con uctor is u	of the Extent and of the transfer of the trans	Main profin relation	RCD Operating time at, IΔn  N/A  s of the Inspection and tese stective bonding n to PEN	ms ms string section.		
Supply Conductors material  K. Observation Referring to the attack No remedial action is Item No  1 3.0 Conductors Conduc	ppper  Sched scheduler s required.  EARTHING ductor sizes ductor in all g codes, as app for remedial act Risk of injury. In gerous-urgent r	P(s) of Inspection and N/A The follows The follows (544.1), Common I installations. To propriate, has been attion.	Supply Conductors csa  d Test Results, owing observat  RRANGEME nent: Main pable 54.8	and subject to tions are made Obs ENTS (411 Corotective both	e the limitations servations  3; Chap 54) onding conditions made a	rating specified at 3.6 Con uctor is u	of the Extent and of the transfer of the trans	Main profin relation	RCD Operating time at, IΔn  N/A  s of the Inspection and tese stective bonding n to PEN	ms sting section.		

## CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY

Note: this form is suitable for many types of smaller installations, not exclusively domestic.

Outcomes	Acceptable condition      Unacceptable condition	N/V Limitation LIM Not applicab	le N/A
Item No	Description	Outcome	Comments
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)		
1.1	Service cable	✓	No
1.2	Service head	✓	No
1.3	Earthing arrangement	✓	No
1.4	Meter tails	✓	No
1.5	Metering equipment	✓	No
1.6	Isolator (where present)	✓	No
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)	✓	No
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)		
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓	No
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	✓	No
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	✓	No
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓	No
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	✓	No
3.6	Confirmation of main protective bonding conductor sizes (544.1)	C2 (see section K)	Yes
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	✓	No
3.8	Accessibility and condition of other protective bonding connections (543.3.1;543.3.2)	✓	No
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)		
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	✓	No
4.2	Security of fixing (134.1.1)	✓	No
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓	No
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	✓	No
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	✓	No
4.6	Presence of main linked switch (as required by 462.1.201)	✓	No
4.7	Operation of main switch (functional check) (643.10)	LIM	No
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	✓	No
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	✓	No
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	✓	No
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	✓	No
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	✓	No
4.13	Presence of other required labelling (please specify) (Section 514)	N/A	No
4.14	Compatibility of protective devices, bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	✓	No
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	✓	No
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	✓	No
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	✓	No
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A	No
4.19	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3;415.1)	✓	No
4.20	Confirmation of indication that SPD is functional (651.4)	N/A	No
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓	No
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	<b>√</b>	No
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	✓	No
5.0	FINAL CIRCUITS	,	No
5.1	Identification of conductors (514.3.1)	<b>√</b>	No No
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	<b>√</b>	No
5.3	Condition of insulation of live parts (416.1)	✓	INO

## CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY CONTINUED

Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes		lot ified N/	/ Limitation	LIM Not applicable	N/A						
	condition   condition   or C2   recommended   C3   investigation   veri	illed									
Item No	Description		Outd	ome	Comments						
5.0	FINAL CIRCUITS (Continued)										
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)			/	No						
5.4.1	Fo include the integrity of conduit and trunking systems (metallic and plastic)		<u> </u>	74	No						
	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section	on		2							
5.5	523)		٧	<b>/</b>	No						
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)		v		No						
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)										
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)		v		No						
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522) ✓										
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	Ll	M	No							
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damag see Section D. Extent and limitations) (522.6.204)	je	LI	M	No						
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA:										
5.12.1	For all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)		v		No						
5.12.2	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)		٧		No						
5.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)		v		No						
5.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)		٧		No						
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)		N.	/A	No						
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		LI	No							
5.14	Band II cables segregated/separated from Band I cables (528.1)		٧	/	No						
5.15	Cables segregated/separated from communications cabling (528.2)		٧	/	No						
5.16	Cables segregated/separated from non-electrical services (528.3)		v	/	No						
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)										
5.17.1	Connections soundly made and under no undue strain (526.6)		v	/	No						
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)		٧	/	No						
5.17.3	Connections of live conductors adequately enclosed (526.5)		٧	/	No						
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)		v	/	No						
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))		٧	/	No						
5.19	Suitability of accessories for external influences (512.2)		٧	/	No						
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)		v	/	No						
5.21	Single-pole switching or protective devices in line conductors only (132.14.1;530.3.3)		v	/	No						
6.0	OCATION(S) CONTAINING A BATH OR SHOWER										
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)		N,	'A	No						
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)		N.	/A	No						
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)		N,	/A	No						
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)		N,	/A	No						
6.5	ow voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)		N,	/A	No						
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)		N,		No						
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)		N,	/A	No						
6.8	Suitability of current-using equipment for particular position within the location (701.55)		N,		No						
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS										
7.1	ist all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)	Number location	I	0	No						

Inspected By		
Name:	Richard Johns	Date: 30/11/2021
Signature:	KN De	

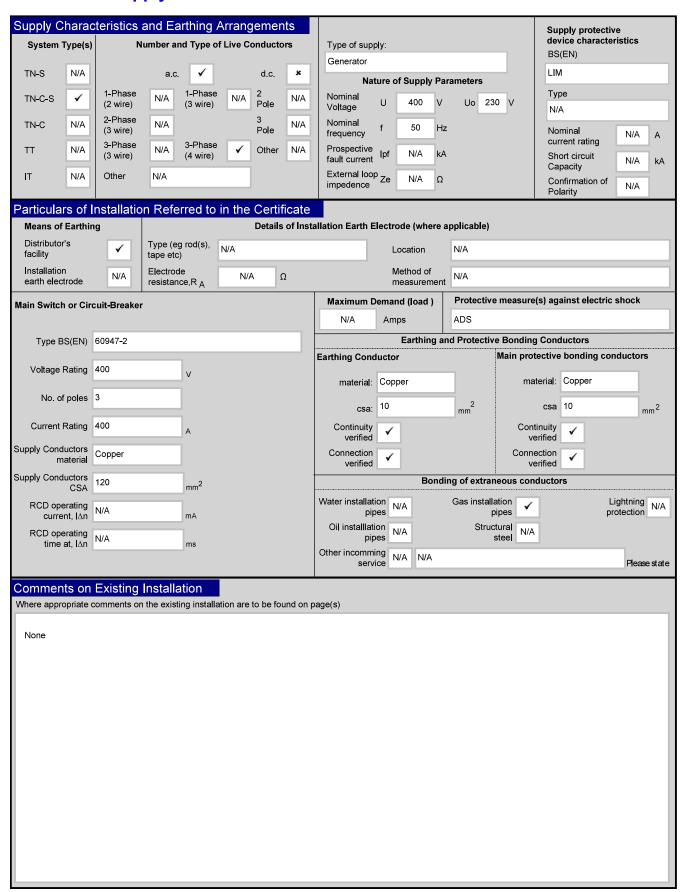
Boar	d Detai	ils																
Т	O BE CO	MPLETE	D IN EVERY CAS	E	C	ONLY TO	O BE CO	MPLETE	D IF TH	E DISTR	RIBUTION BOARD OF THE INSTAL		NECTED	DIRECTI	_Y TO T	HE ORIG	BIN	
Locati	of	Main S	Switchroom			upply to							Asso	ociated R0	DD (if an	y)		
Locati	bution		Building)		di	stributio oard is f	n l	N/A				BS(EN		N/A	,			
Board						o of pha		N/A		Nomina	N/A	V RCD I						
Distrik	oution	Main E	ND.		0	vercurre	ent protec	tive devi	ce for the	e distribu	ution circuit	Poles	NO OI	N/A				
board design	I	Maiii	סע		Ty	ype BS(	EN)	N/A			Rating N/A	A RCD	Rating	N/A		n	nΑ	
	uit Deta	ile																
	iii Deta	IIIO				por	y ed	Cir	cuit	7 c		Overcurrent protective device						
Circuit number and phase		Circuit o	designation		l ype of wiring	Reference method	No of points served	conduct  Live mm <sup>2</sup>	cuit tors csa	Max permitted disconnection times (s)	BS(EN)	AFDD	Туре	Rating (A)	Short circuit capacity (kA)	Operating current (I∆n)	Maximum permitted Zs(᠒)	
1/TP	Not covered	d by This F		$\top$	$\neg$													
2/TP	Not covered	d by This F		_	_													
3/TP	Not covered	d by This F	 Report	+	$\forall$													
4/TP	Not covered	d by This F	 Report	+	$\forall$			$\Box$										
5/TP	TP Sub Mains(DB 5)			+	F	D	2021	35	84	5	60947-2 MCC	В		100	35	N/A	0.23	
6/TP	TP Not covered by This Report				$\forall$													
7/TP	TP Way Not Available			+	-	-	-	-	-	-	-	-	-	-	-	-	-	
8/TP	TP Way Not Available			+	-	-	-	-	-	-	-	-	-	-	-	-	-	
9/TP	Way Not Av	vai <b>l</b> able		+	-	-	-	-	-	-	-	-	-	-	-	-	-	
10/TP	P Way Not Available		+	-	-	-	-	-	-	-	-	-	-	-	-	-		
11/TP	Way Not Av	vailable		+	-	-	-	-	-	-	-	-	-	-	-	-	-	
12/TP	Way Not Av	vai <b>l</b> ab <b>l</b> e		+	-	-	-	-	-	-	-	-	-	-	-	-	-	
13/TP	Way Not Av	vailable		+	-	-	-	-	-	-	-	-	-	-	-	-	-	
14/TP	Way Not Av	vai <b>l</b> ab <b>l</b> e		1	-	-	-	-	-	-	-	-	-	-	-	-	-	
15/TP	Way Not Av	vai <b>l</b> able		1	-	-	-	-	-	-	-	-	-	-	-	-	-	
16/TP	Not covered	d by This F			$\exists$													
17/L1	Not covered	d by This F			$\exists$													
17/L2	Way Not Av	vailable			-	-	-	-	-	-	-	-	-	-	-	-	-	
17/L3	Way Not Av	vailable		+	-	-	-	-	-	-	-	-	-	-	-	-	-	
18/TP	Not covered	d by This F	Report	$\top$	$\forall$													
					$\dashv$													
					$\dashv$													
				$\top$	$\dashv$													
				+	$\dashv$													
Wirin	ng Code	e			$\dashv$													
	_	4	В	,			D	$\top$	E		F	G		Н		0	1	
	<u> </u>	`						+		_	,						-	
	PVC cables PVC/PVC in cables metallic conduit		i non-n	cables in netalli nduit		PVC cable in metallic trunking	r	PVC cabl in non-meta trunkin	allic	PVC/SWA cables	XLPE/SWA cables		linsulated ables	0	other			
															-		_	

Board <sup>*</sup>	Teete																		
Doard	l CSIS	TO BE C	OMPLETE	O IN EVERY	CASE														
Correct	supply pol	arity confirme	d 🗸	Phase se	equence co	nfirmed	<b>V</b>	_	TE	EST INSTRU	JMENT	S (SE	RIAL NU	JMBERS	) USED				
Sı	upplementa	ary Conducto	rs 🗸		ippropriate)		•	Earth fau loop impedan	32	283060			RCD	RCD 3283060					
ONLY T		MPLETED IF					ECTED	Insulatio	n 33	283060			Multi-	" N/A					
Zs N	/A _ <u>c</u>	2 Ipf N/	A kA					resistand	.e				functio	"					
Operatir	ng times of	associated F	RCD (if any)	At I∆ n N	I/A n	าร		Continui	ty 32	283060			Other	N/A					
Details	of circu	iits and/o	r equipn	nent vuln	erable t	o dama	ge												
N/A																			
Circuit	Tests																		
		Circ	cuit Impeda Ω	nces			Insu	lation resis	tance					RC	D	5	Ē		
Circuit number	Rin	g final circuits			rcuits						3	Maximum measured earth fault loop		E	c _	AFDD Test button operation	Remarks see continuation sheet		
and phase		easure end to		` colu	umn mpleted)	Test Voltage	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral	olarit			loop		S loop		nnect ime	Test button operation
pridoc	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1 + R<sub>2</sub>)</sub>	(R <sub>2</sub> )	Voltage	MΩ	ΜΩ	ΜΩ	MΩ	"		dance Ω	Disconnection (s time	Test	AFD	See _		
1/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		١	√A	N/A	N/A		NO		
2/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		١	I/A	N/A	N/A		NO		
3/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N	N/A	N/A	N/A		NO		
4/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N	I/A	N/A	N/A		NO		
5/TP	N/A	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	N/A		0	.09	N/A	N/A		NO		
6/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	 	I/A	N/A	N/A		NO		
7/TP	_	_	-	_	-	_	_	-	_	-	-		_		_	_	_		
8/TP	_		-		_	_		_	_	-	_		_		_	_	_		
9/TP	-	-	-	-	-	-	-	- -	-	+ -	<u> </u>		-		_		-		
10/TP	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
11/TP	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
12/TP	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
13/TP	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
14/TP	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
15/TP	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
16/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		١	I/A	N/A	N/A		NO		
17/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		١	I/A	N/A	N/A		NO		
17/L2	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
17/L3	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		
18/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		١	I/A	N/A	N/A		NO		
													+						
													+						
Tested	Bv																		
Signa				KNIA	2-			Position	1	Grade 1	1 Test	Fna	ineer						
				3335 323				Date of				Lily	1001						
Nam	е	Richa	ırd Johns					testing		03/12/2	021								

Boar	rd Detai	ls														
Т	O BE CO	MPLETE	D IN EVERY CASE		ONLY T	O BE CO	MPLETE	D IF THI	E DISTR	IBUTION BOARD IS OF THE INSTALLA		NECTED	DIRECTI	LY TO T	HE ORIG	SIN
Locat	ion of	Store (	Cupboard		Supply to	, ,	2 5 14	(3.4-	. 50	- TD)		Asso	ociated RC	CD (if an	y)	
	bution		y Bui <b>l</b> ding.		distributio ooard is f		SubMai	ıns(Ivia	in DB,	5/1P)	BS(EN)	)	N/A			
Doard					No of pha	ises	3		Nomina	l Voltage 400 V		•				
	bution	DB 5			Overcurre	ent protec	ctive devi	ce for the	e distribu	ition circuit	Poles		N/A			
board desig	l nation			7	Type BS(	EN) (	60947-2	2 MCC	В	Rating 100 A	RCDR	ating	N/A		m	nΑ
Circu	uit Deta	ils														
				D Bu	thod	erved	Cir	rcuit	ed on	C	Overcurrent po device				RCD	s(Ω)
Circuit number and phase	Circuit designation		Type of wiring	Reference method	No of points served	Live mm <sup>2</sup>	cpc mm <sup>2</sup>	Max permitted disconnection times (s)	BS(EN)	AFDD	Туре	Rating (A)	Short circuit capacity (kA)	Operating current (I∆n)	Maximum permitted Zs(Ω)	
1/TP	SPARE			-	ſ - <u> </u>	│ - <u></u> '	[ - <u>'</u>	ſ	1		-	1	-		- <u> </u>	-
2/L1	Biology Lab	A/C unit-	As Marked	А	С		6	6	0.4	60898 MCB		В	32	10	N/A	1.37
2/L2	Way Not Av	/ailable		-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	Cleanser So	ockets Bio	ology Lab Cabinet	А	С	2021	4	4	0.4	61009 RCD/RCBC	)	С	32	10	30	0.68
3/L1	Server FCU	J- As Mark	.ed	А	С		2x2.5	2x1.5	0.4	60898 MCB		В	16	10	N/A	2.73
3/L2	2 Door Entry FCU			А	В	2021	2.5	1.5	0.4	60898 MCB		В	6	10	N/A	7.28
3/L3	Instrument	room A/C-	- As Marked	А	В		6	6	0.4	60898 MCB		В	32	10	N/A	1.37
4/TP	Biology Lab	Cleanser		Н	С	2021	2.5	2.5	0.4	60898 MCB		В	16	10	N/A	2.73
5/L1	Sec/ Alarm-	- As Marke	ed	A	В	<del>                                     </del>	2x2.5	2x1.5	0.4	60898 MCB		В	16	10	N/A	2.73
5/L2	Biology & Ir	nstrument	room Htr FCU's.	A	В	2021	4	1.5	0.4	60898 MCB		В	20	10	N/A	2.19
5/L3	Instrument i	room sock	ets.	A	В	2021	2x2.5	2x1.5	0.4	61009 RCD/RCBC	)	С	32	10	30	0.68
6/L1	Biology Lab	PC area	& Office	A	В	2021	2x2.5	2x1.5	0.4	61009 RCD/RCBC	)	С	32	10	30	0.68
6/L2	Science Lat	b Office sc	ockets	A	В	2021	2x2.5	2x1.5	0.4	61009 RCD/RCBC	)	С	32	10	30	0.68
6/L3	Biology Lab	& Store s	sockets	A	В	2021	2x2.5	2x1.5	0.4	61009 RCD/RCBC	)	С	32	10	30	0.68
7/L1	Lights instru	ument roor	m- As Marked	A	В		1.5	1	0.4	60898 MCB		В	6	10	N/A	7.28
7/L2	Lights Corri	dor, toilets	s, store, Biology Lab- As	s A	В		1.5	1	0.4	60898 MCB		В	6	10	N/A	7.28
7/L3		gy Lab, of	ffice & science office- As	s A	В	2017	1.5	1	0.4	60898 MCB		В	6	10	N/A	7.28
8/TP	SPARE			-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	3x LED floo	d lights to	rear- As Marked	A	В	2017	1	1	0.4	60898 MCB		С	6	10	N/A	3.64
9/L2	Way Not Av	/ailable		-	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	Way Not Av	/ailable		-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	Way Not Av	/ailable		-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	Way Not Av	/ailable		-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	Way Not Av	/ailable		-	-	-	-	-	-	-	-	-	-	-	-	-
Wirir	ng Code	е														
	F	1	В	С		D		E	$\top$	F	G		Н		0	1
	PVCcables PVC/PVC in		PVC cable in non-metall conduit	llic	PVCcables in metallic trunking		PVC cables in non-metallic trunking			XLPE/SWA cables	Mineral	linsulated ables		ther		

Board <sup>1</sup>	Tests																			
Boara	1000	TO BE C	OMPLETE	) IN EVERY	CASE				_	TEST ING	TDLIME	NTC /C	EDIAL NI	JMBERS)	LIGER					
Correct	supply pol	arity confirme	d 🗸		equence co		<b>7</b>	1		IESI ING	TRUME	VI 3 (3	ERIAL N	JIVIDERO	) 03ED					
Sı	upplementa	ary Conductor	rs 🗸	(where a	ppropriate)	)		Earth fau loop impedan	N	N/A	I/A			3283	3283060					
ONLY T		MPLETED IF					ECTED	Insulatio	n a	328306	)		Multi-	N/A						
Zs 0.	09 🕜	2 lpf 3.2	2 kA					resistano	.e				function	on						
		associated F				ns		Continui	ıy 3	328306	)		Other	N/A						
Details	of circu	its and/o	r equipn	nent vu <b>l</b> n	erable t	o dama	ge													
N/A																				
Circuit	Tests	Circ	cuit Impeda	nces																
Circuit			Ω	All ci	rcuits		Insu	lation resis	tance		_	. Ma	aximum	RCI	D I	ntton	ation			
number and		g final circuits		(At lea	st one	Test	Live/	Live/	Live	e/ Ea	th/	measured earth fault loop		Disconnection (sm time	utton	AFDD Test button operation	Remarks see continuation sheet			
phase	,		, 	to be co		Voltage	Live	Neutral	Eart	th Neu	-    "		loop edance	sconn	Test button operation	FDD .	See co			
1/TP	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> )	-	ΜΩ	ΜΩ	ΜΩ	2 M	Ω -		Ω	⊡(ms)	-	-				
2/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	<u> </u>	NO			
2/L2	-	-	-	-	-	-	-	-	-	-	<u>`</u>		-	-	-	-	-			
2/L3	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299	9 N/	4		0.53	31/30		_	NO			
3/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		·		N/A	N/A	N/A	_	NO			
3/L2	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		^		0.27	N/A	N/A		NO			
3/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		·		N/A	N/A	N/A		NO			
4/TP	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		,		0.31	N/A	N/A		NO			
5/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		~		N/A	N/A	N/A	_	NO			
5/L2	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		Δ		0.35	N/A	N/A		NO			
5/L3	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		<u> </u>		0.34	33/31			NO			
6/L1	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		^		0.4	33/31	✓		NO			
6/L2	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		, <b>'</b>		0.43	32/30	✓	_	NO			
6/L3	N/A	N/A	N/A	N/A	N/A	500	N/A	N/A	299		, <b>'</b>		0.51	34/31	✓		NO			
7/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		~		N/A	N/A	N/A	_	NO			
7/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	_	NO			
7/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A	_	NO			
8/TP	-	-	-	_	-	-	-	-	_				-	-	_	-	_			
9/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	A N/	Δ		N/A	N/A	N/A		NO			
9/L2	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
9/L3	_	_	_	_	_	_	_	_	_	-			_		_	_				
10/TP	-	-	-	_	-	-	_	_	-	-	+-		-		-	-	-			
11/TP	_	_	_	_		-	_	_	_	-	-		-		_	-	-			
12/TP	_	<u>-</u>	_	_		-	_	_	_	-	-		_		_	-	_			
Tested Signa				KNA	2.4			Position		Cre	10 1 T-	ot E~	aineer							
				3315 50.5				Date of			de 1 Te		gineer							
Name	е	Richa	rd Johns					testing		03/1	2/2021									

## **Additional Supply No 1**



### Extent of Electrical Installation covered by this report, Continued. from page 1

To provide detailed results of the areas detailed as (Biology Lab) supplemented by a risk based approach to final circuit testing. Inspection & Testing undertaken in accordance with IET Guidance Note 3.

With the exception of those circuits whose designation have been confirmed (as detailed with the inclusion of tests), it should be observed that all other circuit details are 'as marked' and may not be relied upon for their accuracy.

The test result sheet columns entitled 'Number of points served' specifies the year of test of that circuit.

### Agreed limitations including the reasons, Continued. from page 1

Powertest Ltd were not responsible for the design or installations of the electrical system covered by this report and are therefore not responsible for any of these aspects of work over which they have no control.

Cables concealed within trunking and conduits or cables and conduits concealed under floors in roof spaces and generally within the fabric of the building or underground have not been inspected.

The inspection and testing of installed machinery is limited to: -

- a. An external visual inspection for electrical safety excluding all control and operational functions.
- b. Earth continuity test to all exposed conductive parts.

Unless otherwise requested the following specialist areas will be subject to separate contracts and will not therefore form part of the inspection and test.

- a. Emergency lighting systems.
- b. Lightning protection systems.
- c. Lift installations.
- d. Potentially explosive atmosphere installations.
- e. High level parts of the fixed installation and other parts of the installation not normally accessible without specialised equipment.
- f. Examination of machinery.
- g. H.V. Power Systems i.e. in excess of 1000 volts ac.
- h. Fire detection and alarm systems.
- i. Data/telecommunication systems.

The installation may have been completed to IET Wiring Regulations that predate the current edition. In this case recommendations may be made with regard to current safety standards.

### Operational Limitations including the reasons, Continued. from page 1

- 1- Unable to isolate local server.
- 2- Unable to operate main switch or submains.
- 3- Unable to obtain details of primary over-current device.

- 4- Unable to isolate whole installation to perform Ze. Reading obtained with all earths connected.
- 5- Unable to remove main panel cover as unable to isolate panel.
- 6- Unable to perform insulation resistance on voltage sensitive equipment or circuits that was unable to be isolated at time of the inspection.
- 7- No accessories inspected behind furniture or large stored materials.
- 8- Circuits found isolated left isolated at time of inspection.

General condition of the installations	(In terms of electrica	l safety), Continued.	from page 1
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Owing to the presence of C2 defects the installation is deemed to be in an Unsatisfactory condition until these are rectified because they are judged to have the potential to impair the safety of the installation.

You are reminded of your obligations under Regulation 4 of the Electricity at Work Regulations (EaWR) that specifies the requirement for electrical installation 'Maintenance'.

Approximately 53 % percentage of circuits have been tested for disconnection in the event of a fault has been re-validated.

## CONDITION REPORT GUIDANCE FOR RECIPIENTS (to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

- 1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
- The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
- 3. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
- 4. 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 six-monthly. For safety reasons it is important that this instruction is followed.
- 5. Section D (Extent 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.
- 6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
- 7. For items classified in Section K as C1 ('Danger present'), the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
- 8. For items classified in Section K as C2 ('Potentially dangerous'), the safety of those using the installation may be at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
- 9. Where it has been stated in Section K that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
- 10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.