



Electrical Installation Condition Report June 2012

Location:

Barrhill Community Centre

Certificate No 000000822

SOUTH AYRSHIRE COUNCIL

PROPERTY & DESIGN SERVICES

ELECTRICAL INSTALLATION CONDITION REPORT

IN ACCORDANCE WITH BS 7671 : 2008 (I.E.E. WIRING REGULATIONS) AS AMMENDED

PROPERTY: Barrhill Community Cen	tre
DATE TESTED: June 2012	
PERCENTAGE TESTED: Visual 100	% Physical 25%
CONDITION OF INSTALLATION (cir Poor Fair Average	,

TESTING CARRIED OUT BY: John Tomkinson

TEST CERTIFICATE No 000000822

NEXT TEST DUE: June 2017

Office Copy

RECEIVED BY (S	ignature)IN INI	••••••
PRINT NAME	PENE MYONG	
DESIGNATION	CLEPICAL ASSISTANT DAT	re <u>15/04/13.</u>

FULL REPORT FILED WITH BOBBY McKEAN - TELEPHONE 01292 613065

ELECTRICAL INSTALLATION CONDITION REPORT



A. Details	of the Client/Person Ord	ering the	Report	B. Reas	son for Produ	cing this Rep	ort	
Client:	South Ayrshire Council (2	2012)		Purpos	e of this report:			
Address:	McCalls Business Centre 12 McCalls Avenue Ayr			Perio	odic inspection	and testing		
	KA8 9AE				on which Inspection		12	
C Details	of the Installation which	is the Sub	piect of this Repo				7 7 3	
			jest of this repo		ription of	Domestic	Commer	cial Industrial
Installation:	Barrhill Community Centr	e		premis	ses:	N/A	N/A	N/A
Occupier:	Occupier			Other				
Address:	Barrhill Community Centre	Э			mmunity Centre			
	Main Street		1		ated age of wiring	system:		25 yrs
	Barrhill Girvin	V	A26 0PP		nce of alterations ditions:	1	If yes estimate	d Age 5 yrs
Description of		1	420 UFF			Date of pr	revious	
Record of Installation av	vailable: N/A Records held By	· N/A				inspection	n: C	06/12/2012
Extent	and Limitations Inspection	on and Te	sting			WINDS TO		- 44 7
	ctrical Installation covered by this re		The state of the state of	Agreed limit	itations including th	e ressons (See rec	ulation 634	2)
_	sual 25% circuits tested and		ecorded					rs combined to
		J			dditional Page			
				Bobby N	McKean			
			Agreed with nam	ne Bobby i	violitoui i			
		TOTAL DESIGNATION OF THE PARTY	X170					
Unable to	Limitations including the reasons (Se o live test off peak supply at on and testing detailed in this report	storage he	eaters. Unable to co					
Unable to This inspectio July 20 It should be r been inspect	o live test off peak supply at on and testing detailed in this report 111 noted that cables concealed within the ted unless specifically agreed between	storage he and accompa trunking and compa	eaters. Unable to co anying schedules have b onduits, under floors, in and inspector prior to the	een carried ou roof spaces, a inspection.	ut in accordance wi	th BS7671:2008 (II	ET Wiring R	egulations) as amended
Unable to This inspectio to July 20 It should be rispect been inspect	on live test off peak supply at on and testing detailed in this report 11 noted that cables concealed within the unless specifically agreed between any of the Condition of the	storage he and accompa trunking and co een the client a e Installati	eaters. Unable to co anying schedules have be onduits, under floors, in and inspector prior to the ion General cond	een carried ou roof spaces, a inspection.	ut in accordance wi	th BS7671:2008 (II	ET Wiring R	egulations) as amended
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Unable to This inspectio to July 20' It should be rispect E. Summa The insta	on live test off peak supply at on and testing detailed in this report 11 noted that cables concealed within the unless specifically agreed between ary of the Condition of the callation was found to be in a sessment of the installation.	storage he and accompa trunking and co een the client a e Installati fair condition	eaters. Unable to companying schedules have be conduits, under floors, in and inspector prior to the conformits age *An unsatisfactory a	een carried ou roof spaces, a la inspection. dition of the ins	ut in accordance wi and generally within stallations (In terms	th BS7671:2008 (II the fabric of the bi	ET Wiring R uilding or un	egulations) as amended
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This inspection to July 20° It should be rispect E. Summa: The instance Overall assorting the Company of the Co	on live test off peak supply at on and testing detailed in this report 11 noted that cables concealed within the ted unless specifically agreed between ary of the Condition of the allation was found to be in a dessment of the installation. Satisfactory of the suitability of the conditions of the suitability of the conditions of the suitability of the conditions. Support of the suitability of the suitability of the conditions of the suitability of the conditions. I being the person(subject to the necessary of the condition of the suitability of the condition of the suitability of the suitabili	storage here and accompany trunking and company tru	eaters. Unable to companying schedules have be conduits, under floors, in and inspector prior to the conduits age *An unsatisfactory acception for continued use able of the conduits age acted upon as a material fied as further investigation for due to the conduits and the cond	een carried our roof spaces, as inspection. dition of the insubstitution requires consideration mend that the esting of the el I and care whe ched schedule	and generally within stallations (In terms adicates that dange ed. as SATISFACTOR of the control of the contro	th BS7671:2008 (II the fabric of the bits of electrical safety rous (code C1) and RY , I recommenter inspected and II (as indicated by Minspection and tes	end that any tested by My signature ting, hereby	egulations) as amended derground, have NOT lly dangerous (code observations classified 18/06/2017 les below), particulars of declare that the
This inspection to July 20° It should be reported been inspected. Summate The instance overall assets. Recommendation of the control of the c	on and testing detailed in this report of the concealed within the detailed that cables concealed within the detailed on the carry of the Condition of the carry of the Condition of the callation was found to be in a cassification was found to be in a cassification. South assessment of the suitability of the cassified as 'Improvement recommended for cassified as 'Improvement recommended in the case of the	storage here and accompany trunking and company trunking the company trunking trunking trunking trunking trunking and company trunking	eaters. Unable to companying schedules have be conduits, under floors, in and inspector prior to the company of the inspection and text floor the inspection and text floor the inspection and text conductions and attact of the inspection and text conduction and text conductions and attact of the inspection and text conductions and attact of the inspection and text conductions and attact of the inspection and attact of	een carried our roof spaces, as inspection. dition of the insubstitution requires consideration mend that the esting of the el I and care whe ched schedule	and generally within stallations (In terms adicates that dange ed. as SATISFACTOR cy red'n. e installation is furtilectrical installation en carrying out the as, provides an acc of this report.	th BS7671:2008 (II the fabric of the bits of electrical safety rous (code C1) and RY , I recommenter inspected and II (as indicated by Minspection and tes	end that any tested by My signature ting, hereby of the condit	egulations) as amended derground, have NOT lly dangerous (code observations classified observations classified es below), particulars of declare that the tion of the electrical
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I. Supply	Characteristics and Earthing Arrangements			100
Earthing Arrangeme		Nature of Supply Parameters	Supply protective device	115- 11 5 "
TN-S	✓ a.c. ✓ d.c. N/A	Nominal U ⁽¹⁾ 400 V BS(I		ZIVI,
TN-C-S	1-Phase (2 wire) N/A 1-Phase (3 wire) N/A 2 Wire N/A	Nominal U ₀ ⁽¹⁾ 230 V		PHIL
TN-C	N/A 2-Phase N/A 3 Wire N/A	Nominal f (1) 50 Hz Type		
	(5 wile)	Prospective lpf ⁽²⁾ 1.70 kA N/A		
П	N/A 3-Phase (3 wire) N/A 3-Phase √ Other N/A	External loop impedance Ze ⁽²⁾ 0.13 Ω Nom curre	inal ent rating LIM	4
п	N/A Other N/A	Number of supplies 1 Sho	t circuit	kA
	Confirmation of supply polarity	(Note: (1) by enquiry, (2) by enquiry or by measurement)		
J. Particu	lars of Installation Referred to in the Report	The state of the s		Amaga)
Means	of earthing Details of	f installation Earth Electrode (where applica	ole)	100
Distributor's facility	✓ Type (e.g. rod(s), N/A tape etc.)	Location N/A		
Installation	N/A Resistance to N/A	ο		
earth electro	Earth L	Method of		
		measurement N/A		
Main Prot	ective Conductors Tick boxes and enter details as a	pplicable		
Earthing Conductor	Material Copper csa 6	mm ² Connection and Conti	nuity Verified 🗸	
Main protecti bonding cond		mm ² Connection and Cont	nuity Verified	
Bonding of	Incoming Service	Maximum Demand (L	oad)	100
Water Ga	as Lightning Oil Steel Other Please State	100 Amp		
×	V N/A N/A N/A N/A N/A	Protective measure(s	against electric shock	
		ADS		
Main Swit	ch / Switch-Fuse / Circuit-Breaker / RCD			
Location	Cupboard R005	Current 100	A if RCD main switch	ch
		rating	operation current, N/A	mA
1-75		Fuse/Device rating or setting	A IΔn Rated time delay N/A	ms
∋ BS(EN) 5419 Isolator No of poles 2	Voltage 230	v	
Supply	Copper Supply Conductors 25	rating mm ²	RCD Operating N/A time at, IΔn	ms
Conductors material	Copper Conductors 25 csa	mm		L
K. Observ	vations and the same state of			2-13/
Referring to	the attached schedule(s) of Inspection and Test Results, and subject t	the limitations specified at the Extent and Limit	ations of the Inspection and testi	ng section.
No	remedial action is required. N/A The following observation	s are made	Fu	urther
Item No	Observa	tions		vestigation equired
1	No RCD protection for socket outlets or cables at a de	00 01 n		lo
2	DB 2 has fuses missing from carriers	1	723	lo
3	Twin socket is broken (replaced by test engineer)			10
4	3.0 EARTHING / BONDING ARRANGEMENTS (411.	3; Chap 54) 3.6 Confirmation of mair	protective C3 N	lo
	bonding conductor sizes (544.1)			
	Observations continue on continuation sheet(s)			
	following codes, as appropriate, has been allocated to each of the obsergency for remedial action.		s) responsible for the installation t	the
C1 - Dange	r present. Risk of injury. Immediate remedial action required	0		
C2 - Potent	ially dangerous - urgent remedial action required	0		
C3 - Improv	rement recommended	7		

FREIMISES WITH UP TO 100A SUPPLY SCHEDULE FOR DOMESTIC AND

Sulcon	this form is suitable and Acceptable condition	~	Unacceptable	State C1		stic.				Master	7.
			condition	or C2	Improvement recommended	State C3	Not verified	N/V Limited	Т		
Item No							CREAT	N/V Limitation	LIM N	ot applicat	ole
				Descrip	tion			Outco	ome		
1.0	DISTRIBUTOR'S	/ SUPPL	Y INTAKE EQUIP	SAIN A							Further invoction
1.1			HATAKE EQUIP	MENT	ATT TO THE REAL PROPERTY.						ner in
	Condition of Service	ce head				NVI WY					Furt
	Condition of tails - I	Distributo	ı						No.	THE STATE OF	
1.5	Condition of tails - (Consume						· /			No
1.6	Condition of meterin Condition of Isolator	ig equipm	rent				\rightarrow				No
											Vo
2.0 P	RESENCE OF ADE	FOLIATE						✓			10
1"	ICROGENERATOR	₹\$ (551.6	ARRANGEMENTS ; 551.7)	FOR OTHE	ER SOURCES SUC	11.40		/			10
3.0 EA	RTHING / BOND				===	HAS					-
3.1 Pre	ARTHING / BONDINGS esence of distributor	IG ARRA	NGEMENTS (411	3; Chan 54				N/A		No	5
3.2 Pre	sence and condition		g arrangement (54)	2.1.2.1: 542	120		TIME STATE				_
1-10	vision of earthing / h	hondi	- Connecti	ion where ap	.1.2,2) oplicable (542.1.2,3)						
	or earthing	7 00-1		location	75 (514 do do			✓		No	T
,,,,,,	solution and condition	on of		. 1.1)						No	1
3.6 Confi	essibility and condition from the condition of main pro- ition and accessibilition	otective r	ning conductor at I	ИЕТ (543.3.;	2)					No	1
Cond	ition and accessibility	14.	conductor s	sizes (544.1)					1.0	No	IN
3.6 Acces	ssibility and condition	n of all pr	ofective bonding	g conductor (connections (543.3	D- E44 4 D)		C3 (see section F		No	N
4.0 COND			steelive bonding co	nnections (£	543.3.2)	2, 344.1.2)		✓ (occ section F	()	No	N
00142	UMER LINIT / DIA-	THE NAME OF THE OWNER,									No
.2 Security	cy of working space	e / acces	sibility to consume	Funit I at a			The latest and the la			No	No
3 Conditio	or rixing (134.1.1)			unit / distribi	oution board (132.1.2	2; 513.1)		UNIX TOTAL	0		
4 Condition	n of enclosuro(s)	i terms of	IP rating etc (416.2	2)			\rightarrow	V		No IN	
Enclosur	e not damaged/dete	terns of	fire rating etc (526,	.5)	_						Vo Vo
Presence	of linked main au	oriorated.	so as to impair safe	÷ty (621,2 (iii	av .		\rightarrow			No N	-
Operation	of main switch		-44 red by 537.1.4))				✓		No No	- 1
Manual op	peration of circuit t	ictional ch	heck) (612.13.2)					✓		No No	
Correct ide	entification of size	eakers ar	nd RCDs to prove d	lisconnection	n (612.12.0)					No No	
								N/A		No No	
(514.14)	non-standard (mix	xed) cable	- Colour	er unit / distrit	ibution board (54.4.4)			N/A	N	VO NO	
I . coelice of	alternative				ar consumer unit / c	2.2)		N/A		lo No	- 1
									N		1
Examination	other required labe	Iling (Plea	ase specify) (Section	on 514)	ar consumer unit / di it / distribution board (no signs of unacce)	(514.15)		✓	No	o No	1
Jeannaye, arci	Ing and aura	c(s) and b)Asp(e)+				+	N/A	No	No	1
Protection as	rotective devices in ainst mechanical da	line conc	fuctor only (120 4)		no signs of unacce	ptable thermal	_	√	No	1.10	l
522.8.11)	anist mechanical da	amage wh	7 (102,14,	1, 530,3.2)				✓	No		
Protection aga (521.5.1)	inst electromagneti	ic effects	- 411101 00	nsumer unit	/ distribution board	(522.8.1:	-	1	No	 	A
RCD(s) provide	ed for fault		- CINGI	consumer u	unit / distribution has	- 100		1	No	No	
CD(s) provide	ed for fault protectio	ກ – includ	ies RCBOs (411.4	9-411 5 2-1	BOO HOUSE	rd / enclosures				No	
ווויטאוט בוויב	IS		ncludes RCBOs (4	11.3.3: 415	31.2)		C2 (=	✓	No	No	
critinication of	conductors (E44.5	- N N -	2000	, 1.0.0, 415.1)		C3 (se	e section K)	No	No	
ibles correctly	supported througho)	112 Sec. 1 31	100		CUTCHI	US (See	e section K)		No	
	Transa unougno	out their r	un (522 8 5)				and the street by	2000年 國家主	No. of the last	1,0	
ndition of insu	lation of live part		(***2.0.0)					The state of the s	AND RESIDENCE TO SERVICE STATE OF THE PARTY	STREET, SQUARE, C.	
	lation of live parts (4	416.1)						V	No	No	

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.

0.4	Acceptable	· /	Unacceptable	State C1	Improvement	Not verified	N/V	Limitation	LIM	Not applicable	N.	/A	
Outcomes	condition		condition	or C2	recommended	State C3	THE TELLES					No	tes
Item No				Descri	ption				Oute	come		Further investigation required	Comments
5.0	FINAL CIRCUIT							-7/11				NI	No
5.4			rotected by enclosu							/		No No	No No
5.4.1	To include the i	integrity	of conduit and trunk	ing systems	(metallic and plasti	c)				<u> </u>		No	No
5.5	Adequacy of ca	ables for	current-carrying cap	pacity with re	gard for the type ar	nd nature of ins	stallation (523)			✓	A		No
5.6			conductors and ove							√		No	No
5.7	Adequacy of pr	rotective	devices; type and	rated current	for fault protection	(411.3)				<u> </u>		No	No
5.8			y of circuit protectiv							√		No	No
5.9			priate for the type a						√		No	No	
5.10			lled in prescribed zo						✓		No	No ·	
5.11	protected again (522.6.101; 522	nst mech 2.6.103)	porating earthed ar anical damage fron	n nails, screw	s and the like (see	ent and limitation	se s)		√		No	INO :	
5.12			protection by RCD r					_				No	No
5.12.1	(411,3,3)		f rating 20 A or less				exempt -	_	C3 (see	I/A	n K)	No	No
5.12.2			quipment not excee			s (411.3.3)			C3 (see			No	No
5.12.3			n walls or partitions							V/A	ili K)	No	No
5.13			s, sealing arrangem			mal effects (52	27)	-		1/A		No	No
5.14			ated / separated from					_		N/A		No	No
5.15			parated from comm					-		N/A		No	No
5.16			parated from non-e			D (1)	-1 (FOO)	-		W//\		-	
5.17			at enclosures - indic			n D of the repo	οπ (526)					No	No
5.17.1			made and under no					-		<u>√</u>		No	No
5.17.2			a conductor visible							<u>√</u>		No	No
5.17.3			onductors adequate			\ (522.9.5\		=		<u>√</u>		No	No
5.17.4			d at point of entry to							<u>√</u>		No	No
5.18			es including socket-			5 (021.2 (111))		_		<u></u>		No	No
9	Suitability of ac	ccessorie	es for external influe	ences (512,2,)					<u> </u>			-
60	LOCATIONIE	CONT	NING A BATH OF	SHOWER	11 75 11 15 15	A		D	Two Sales	III-SIII		717	111
6.0 6.1	CONTRACTOR OF	1	r all low voltage (L\		RCD not exceeding	30mA (701.4	11.3.3)			N/A		No	No
6.2			ctive measure, requ					_		N/A		No	No
6.3	NAME OF TAXABLE PARTY.		with BS EN 61558						1	N/A		No	No
6.4			ntary bonding cond				(701.415.2)			N/A		No	No
6.5			olts) socket outlets							N/A		No	No
6.6			t for external influer				(701.512.2)			N/A		No	No
6.7			t for installation in a							N/A		No	No
6.8			sing equipment for p			ation (701.55)				N/A		No	No
				NIO 07 : 5	NATION'S			10000	7 1 2 3		// P P P P P P P P P P	10000	September 1
7.0 7.1		pecial in	CIAL INSTALLATION stallations or location			arately the resi	ults of particular		Number of locations		0	No	No
Inspec	ted By				10 100			Make		1	_		
W. W.	N	Name:	John Tomkinso	n			Date	e: 10/	04/2013		* N = 7 ×		
	Sign	ature:		ght.	er i								

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Board	Detai	ls						Ly-J								4	
то	BE COM	√PLETE[D IN EVERY CASE		ONLY	го ве с	OMPLET	ED IF TH	IE DISTI		N BOARD IS I E INSTALLAT		NECTE	D DIREC	TLY TO	THE OR	IGIN
Location		Cupbo	ard R005		Supply t		N/A						Ass	sociated I	RCD (if a	апу)	
Distribut Board	ion				board is No of ph	from	NIZA		Nomin	al Voltage	o N/A	BS(EN	l)	N/A			
100	- 1						N/A				1	RCD N Poles	lo of	N/A			- 7-
Distribut board	ion	DB Lig	hting/Power					vice for th	ne distrib					1222			
designat	tion				Type BS	S(EN)	N/A			Rating	N/A A	RCDF	Rating	N/A			mA
Circuit	Deta	ils	TO AND			122	100			Max					200	72	
Circuit				14.	Pho.	Defe	Ala as	Circ	cuit	per- mitted	Ove	rcurrent p	rotectiv	e device	Short	RCD	Max
number and phase	-194	Circ	cuit désignation		Type of wiring	Refe- rence method	No of points served	Live mm ²	cpc mm ²	disc- onnec- tion times	BS(EN	1)	Type No	Rating	circuit capa- city kA	Op. current	per- mitted Zs
1/L1	Sub Mai	ins(DB 2)			А	С	1	10	6	5	3871 M	СВ	2	40	10	N/A	0.82
1/L2	Water he	eater R012	2		A	С	1	2.5	1.5	0.4	3871 M	СВ	2	20	10	N/A	1,64
1/L3	Water he	eater R002	2		А	С	1	2.5	1.5	0.4	3871 M	СВ	2	20	10	N/A	1.64
2/L1	Cooker I	R006			A	С	1	6	4	0.4	3871 M	СВ	2	30	10	N/A	1.09
2/L2	Sockets	+ fan + he	eater R005,R011		A	С	10	2.5	1.5	0.4	3871 M	СВ	2	30	10	N/A	1.09
2/L3	Sockets	backstage	+ R004		A	С	4	2.5	1.5	0.4	3871 MG	СВ	2	30	10	N/A	1,09
3/L1	Lights R005				Α	С	12	1,5	1	0.4	3871 M	СВ	2	10	10	N/A	3,29
3/L2	Water heater				Α	C.	1	2.5	1.5	0.4	3871 M	СВ	2	10	10	N/A	3.29
3/L3	Water heater Lights R001,R002,R004,R006,R007				A	С	15	1.5	1	0.4	3871 M	СВ	2	10	10	N/A	3.29
4/TP	Lights R001,R002,R004,R006,R007 Sub Mains(DB Fan Heating Control)				E	A	1	2,5	1.5	0.4	3871 M	СВ	2	5	10	N/A	6.57
5/L1	Fan hea	ater R006			A	С	1	2.5	1.5	0.4	3871 M	СВ	2	15	10	N/A	2.19
5/L2	Sockets	R006			A	С	2	2.5	1.5	0.4	3871 M	СВ	2	30	10	N/A	1.09
5/L3		ater R004			A	С	1	2.5	1.5	0.4	3871 M	СВ	2	15	10	N/A	2.19
6/L1	Time clo	ock fan + h	eaters		E	A	1	1.5	1	0.4	3871 M	СВ	2	5	10	N/A	6.57
6/L2	SPARE	5.	*		2	2	-	-		12	-						
6/L3	Sockels				A	С	2	2.5	1,5	0.4	3871 M	СВ	2	30	10	N/A	1.09
	Cookoto						ļ <u> </u>									-	
								-								-	
						-	-	ļ								-	
						-											
Wiring	firing Code								8, 14				, vi	1.2			
300	-	A	В	С		D	T	Е			F	G		Н		0	709
	PVC	/PVC bles	PVC cables in metallic conduit	PVC calt in non-met condu	tallic	PVC cal in metal trunki	lic	PVC ca in non-me trunk	etallic		/S/VA X bles	LPE/SWA cables	Mine	eral insula cables	ted	Other	
			in metallic	non-met		metal		non-me	etallic				Mine		ted	Other	

Board T	ests					81									
	BE COM	PLETED IF T	HE DISTR HE ORIGIN	IBUTION BO	ARD IS NO	OT CONN	ECTED		TES	T INSTRU	JMENTS (SER	IAL NUM	BERS) USE	D	
Zs	N/A	1	Operating times of associated		Atl _{Δn}	N/A	ms	Earth fau loop impedan	927	0005		RCD	9270005	5	
lpf	N/A		RCD (if any	")	At 5l An	N/A	ms	Insulation		0005		Other	N/A		
Correct s polarity confirmed			Phase sequ (where app	uence confirn ropriate)	ned	· ·		Continuit	y 927	0005		Other	N/A		
Details	of circu	its and/or	equipm	ent vulne	erable to	o dama	ge	TY		F- F m	- 11	4		\ \	
N/A															
Circuit 7	Tests							No. 110				l p	CD exercis		
Jan E		Circ	uit Impedar Ω				Insulation	resistance	- N	p	Maximum	R	CD operatir times	ig	E E
Circuit number and phase		g final circuits easure end to		All cire (At least colu to be con	st one mn	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral	l a r	measured earth fault loop impedance	At I Δ n	At 5l A n	Test button operation	Remarks see continuation sheet
	r ₁ (Line)	rn (Neutral)	r ₂ (cpc)	(R ₁ + R ₂₎	(R ₂)	МΩ	ΜΩ	МΩ	МΩ	t y	Ω	ms	ms	- P	S
1/L1												N/A	N/A	N/A	NO
1/L2				0.18	n/a		200>	200>	200>	✓	0.37	N/A	N/A	N/A	NO
1/L3				0,15	n/a		200>	200>	200>	✓	0.39	N/A	N/A	N/A	NO
2/L1		- 5							597			N/A	N/A	N/A	NO 1
2/L2												N/A	N/A	N/A	NO
2/L3				0,68	n/a		200>	200>	200>	1	0,41	N/A	N/A	N/A	NO
3/L1												N/A	N/A	N/A	NO
3/L2												N/A	N/A	N/A	NO
3/L3												N/A	N/A	N/A	NO
4/TP												N/A	N/A	N/A	NO
5/L1				0.20	n/a		200>	200>	200>	✓	0.48	N/A	N/A	N/A	NO
5/L2												N/A	N/A	N/A	NO
5/L3												N/A	N/A	N/A	• NO
6/L1				0,41	n/a		Lim	200>	200>	4	0.60	N/A	N/A	N/A	NO
6/L2	VE.	-	*	(E)	-	-	-				-	•		*	H2.0
6/L3												N/A	N/A	N/A	NO
		E.													
Tested	Ву		The state	88 PT V		*) PER	i ių i	177.5		7		T alleg		A 71
Signa		H		F				Positio	n	Approv	ved Electric	ian			
Nam	e	John	Tomkins	son				Date of testing		18/06/	2012	11017			

Board	Detail	s	C 15 1918														
то	BE COM	/PLETEC	IN EVERY CAS	E	ONLY 1	O BE C	OMPLET	ED IF TH	IE DISTE	RIBUTION OF TH	N BOARD IS E INSTALLA	NOT CON	NECTE	D DIREC	TLY TO	THE ORI	GIN
Location		Main ha	all R005		Supply t	0	SubMa	ains(DE	B Lighti	ng/Pov	ver,		As	sociated F	RCD (if a	iny)	- 1
Location Distributi		WiGill He	all 11000		distributi board is							BS(EN	40	N/A			
Board					No of ph		3		Nomina	al Voltage	e 400 v						
Distributi	ion I				Overcun	rent prot	ective de	vice for th	e distrib	ution circ	uit	RCD I Poles		N/A		V	
board designat		DB Far Control	Heating		Type BS	S(EN)	3871 I	MCB 2		Rating	5 A	RCD	Rating	N/A			mA
Circuit	Detai	ils										vii th	-		0 = 5		
							1117	Cire	cuit	Max per-	0	vercurrent p	rotectiv	e device		RCD	4
Circuit number and phase		Circ	cuit designation		Type of wiring	Refe- rence method	No of points served	Live mm ²	cpc mm ²	mitted disc- onnec- tion times	BS(I	≣N)	Type No	Rating	Short circuit capa- city kA	Op. current	Max per- mitted Zs Ω
1/L1	Storage	heater fan:	s R005		Α	С	4	1.5	1	0.4	60898	мсв	В	6	10	N/A	7,67
					A	С	4	1.5	1	0.4	60898	мсв	В	6	10	N/A	7.67
					A	С	2	1.5	1	0.4	60898		В	6	10	N/A	7.67
	1/L2 Storage heater fans R005 1/L3 Storage heater fans R011 Storage heater fans R011																
	-																
																	-
								-									
						!											
																-	
Wiring	Code	e	V	V 61 11		U.S.	1 3 U			V-18	- 68 -	100 DU					dys lit
Г			В	С	\$1 est/	D		lliv.			F I	G	ugë	Н		0	
		/PVC bles	PVC cables in metallic conduit	PVC cate in non-met condu	allic	PVC cal in metal trunki	lic	PVC cz in non-me trunk	bles etallic	PVC	/SWA bles	XLPE/SWA cables	Mine	eral insular cables	ted	Other	

Board 1		2 11 10													
ONLY TO	D BE COM	PLETED IF T	THE DISTR HE ORIGIN	IBUTION BO	ARD IS NO	OT CONN ON	ECTED		TES	TINSTR	UMENTS (SER	IAL NUM	BERS) US	ED	
Zs	0.43		Operating times of		At I _A n	N/A	ms	Earth fau loop impedan	883	5028		RCD	883502	В	
lpf	0.56		associated RCD (if any	1)	At 5l $_{\Delta}{}_{n}$	N/A	ms	Insulatio resistance	002	5028		Other	N/A		
Correct s polarity confirme		/	Phase sequ (where app	uence confirm ropriate)	ned			Continuit		5028		Other	N/A		
		its and/or	eguipm	nent vulne	erable to	o dama	ae			-		-		77	-
None	01 011 04	ne arrai or	oquipii				9-								
Circuit	Tests	Circ										l p	CD operati	na	
		Circ	cuit Impedar Ω				Insulation	resistance		p 0	Maximum		times	ig T	tion
Circuit number and phase		g final circuits easure end to		All cire (At leas colu to be con	st one mn	Live/	Live/ Neutral	Live/ Earth	Earth/ Neutral	a r i	measured earth fault loop impedance	At I Δ n	At 5l ∆ n	Test button operation	Remarks see continuation
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)	МΩ	МΩ	МΩ	ΜΩ	t y	Ω	ms	ms	o de	Se
1/L1												N/A	N/A	N/A	NO
1/L2				0.35	n/a		200>	200>	200>	✓	1.08	N/A	N/A	N/A	NO
1/L3												N/A	N/A	N/A	NO
		*													
									,						
_															
											h				
Tested	Ву														
Sign	ature	-34		#				Position	n	Appro	ved Electric	ian			
Nam		lohn	Tomkins	on.				Date o	f	18/06/2012					7

Board	Detail	s	A STATE														
то	BE COM	IPLETEC	IN EVERY CAS	E	ONLY 1	O BE C	OMPLET	ED IF TH	E DIST		N BOARD IS E INSTALLAT		NECTE	D DIREC	TLY TO	THE ORI	GIN
Location Distribut Board		Main ha	ali R005	i	Supply to distributionard is looard is	on from	SubMa	ains(DE		ng/Pow		BS(EN	1)	N/A	RCD (if a	iny)	
	-				Overcun	rent prote	ective de	vice for th	e distrib	ution circ	-	RCD N Poles	lo of	N/A			
Distribut board designat		DB 2			Гуре ВЅ		3871 N			Rating		RCD F	Rating	N/A			mA
Circuit	Detai	ls															
Circuit						114.		Circ		Max per-	Ove	ercurrent p	rotective	e device		RCD	May
number and phase		Circ	cuit designation		Type of wiring	Refe- rence method	No of points served	Live mm ²	cpc mm ²	mitted disc- onnec- tion times	BS(E	V)	Type N o	Rating A	Short circuit capa- city kA	Op. current	Max per- mitted Zs Ω
1/L1	SPARE				<u> </u>	-	925	-	(a)	[42]	72		200	925	188		98:
2/L1	Lights + 1	fan R008,F	R009,R010		Α	С	5	1.5	1	0.4	3871 M	СВ	2	5	10	N/A	6,57
3/L1	Heater R	010			Α	С	3	2.5	1.5	0.4	3871 M	СВ	2	15	10	N/A	2.19
4/L1	Water he	eater R008			Α	С	2	2,5	1,5	0,4	3871 M	СВ	2 30 10				1.09
5/L1	SPARE					.00	1.0		<u> </u>	*	12		72	124	121	2	27
6/L1	SPARE				75/	551	-	- 1	141	16:			(e.	-	45		~
																	<u>u</u>
														,			
																-	
			0.90														
						1											
-																	
Wiring	Code	9 11 15			Mil.						142 %						
- 3	Α	A B C				D		E			F	G		Н		0	(36)
	PVC/ cab		PVC cables in metallic conduit	PVC cabl in non-meta condu	allic	PVC cal in metal trunki	lic	PVC ca in non-me trunk	etallic		/SWA	XLPE/SWA cables	Mine	eral insula cables	ted	Other	

Board ⁻	Tests									18					
ONLY T	O BE COM	PLETED IF 1	THE DISTR	RIBUTION BO	DARD IS N STALLATIO	OT CONN ON	ECTED		TES	ST INSTR	UMENTS (SER	IAL NUN	MBERS) US	ED	
Zs	0.41	Ω	Operating times of		At I $_{\Delta}$ n	N/A	ms	Earth fau loop impedan	883	5028		RCD	883502	8	
lpf	0.57	kA	associated RCD (if any	y)	At 5I An	N/A	ms	Insulation	n N/A			Other	N/A		
Correct : polarity confirme			Phase sequ (where app	uence confiri ropriate)	med			Continuit		35028		Other	N/A		
		its and/or	coguinn	ont vuln	orable t	o dama	ao.								
None	OI CIICO	ilis and/or	equipii	icht van	Crabic t	o dame	ge _								
Circuit	Tests	7 50											11.00		
Official	10313	Circ	cuit Impedai Ω	nces			Insulation	resistance	•	р		F	CD operati	ng	c
Circuit number and phase		g final circuits easure end to	s only	All cir (At lea colu to be cor	st one ımn	Live/	Live/ Neutral	Live/ Earth	Earth/ Neutral	o l a r	Maximum measured earth fault loop	At I A n	At 5I Δ n	Test button operation	Remarks see continuation
pridace	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)	MΩ	ΜΩ	ΜΩ	ΜΩ	t y	impedance Ω	ms	ms	Tes	See.
1/L1		(4)	-			-	-	-:	*		-	17	(2)	-	*
2/L1												N/A	N/A	N/A	NO
3/L1				0.24	n/a		200>	200>	200>	1	0,58	N/A	N/A	N/A	NO
4/L1		-							**			N/A	N/A	N/A	NO
5/L1	-	120	20.	8	(a)	- 1	32:	¥			-	3-	320	2	1 3 3 3
6/L1	-	140	æ	*	140	*	-	*	-			-		-	
	-														
											İ			_	
-											+				
													1		
											ľ				
													+		
													-		
												1			-
Tested	By	Towns						1		1	4	1			1
	ature			£		7 7	76	Positio	n	Approx	ved Electrici	an			
				1 10	-			Date o				an			
Nam	ne	John	Tomkins	on			17	testing		18/06/2	2012				

Board	Detai	s					_ 88									TA X	
то	BE COM	MPLETE (D IN EVERY CAS	E	ONLY 7	ro be c	OMPLET	ED IF TH	IE DISTF		N BOARD I E INSTALL	IS NOT CON ATION	INECTE	D DIREC	TLY TO	THE ORI	GIN
Location Distributi		Hall cu	pboard R005		Supply to	ion	N/A							sociated I	RCD (if a	iny)	V I
Board	OH				board is No of ph		N/A		Nomina	al Voltage	e N/A	BS(E	N)	N/A			
								vice for th			_	RCD Poles	No of	N/A			
Distributi board designat		DB Hea	ating		Type BS		N/A			Rating		A RCD	Rating	N/A		- 1	mA
Circuit	Deta	ils			, x . 1		- 1	g_ = 1									
Circuit								Circ		Max per-	(Overcurrent p	orotective	e device	1 1	RCD	
Circuit number and phase		Circ	cuit designation		Type of wiring	Refe- rence method	No of points served	Live mm ²	cpc mm ²	mitted disc- onnec- tion times	BS	(EN)	Type No	Rating A	Short circuit capa- city kA	Op. current	Max per- mitted Zs Ω
1/L1	Storage	heater R0	05		А	С	1	4	2,5	0.4	6089	8 МСВ	С	32	10	N/A	0.72
1/L2	Storage	heater R0	05		А	С	1	4	2,5	0,4	6089	8 МСВ	С	32	10	N/A	0,72
1/L3	Storage	heater R0	11		Α	С	1	6	2,5	0,4	6089	в мсв	С	40	10	N/A	0.57
2/L1	Storage	heater R0	005		Α	С	1	4	2,5	5	6089	8 МСВ	С	32	10	N/A	0.72
2/L2	Storage	heater R0	05		A	С	1	4	2,5	0.4	6089	8 МСВ	С	32	10	N/A	0.72
2/L3	Storage	heater R0	11		A	С	1	6	2.5	0.4	6089	8 МСВ	С	40	10	N/A	0.57
3/L1	Storage	heater R0	05		Α	С	1	4	2.5	0,4	6089	8 MCB	С	32	10	N/A	0.72
3/L2	Storage	heater R0	05		A	С	1	4	2.5	0.4	6089	8 MCB	С	32	10	N/A	0.72
3/L3	Storage	heater R0	02		A	С	1	2,5	1,5	0,4	6089	8 MCB	С	10	10	N/A	2,30
4/L1	Storage	heater R0	06		A	С	1	4	2.5	0,4	6089	8 МСВ	С	16	10	N/A	1.44
4/L2	Storage	heater R0	12		A	С	1	4	2,5	0.4	6089	в мсв	С	10	10	N/A	2.30
4/L3	Storage	heater R0	04		Α	С	1	2.5	1.5	0.4	6089	в мсв	С	20	10	N/A	1.15
5/L1	Storage	heater R0	109		A	С	1	2.5	1.5	0.4	6089	8 MCB	С	10	10	N/A	2.30
5/L2	Storage	heater R0	101		A	С	1	4	2.5	0.4	6089	8 МСВ	С	16	10	N/A	1,44
5/L3	Storage	heater R0	104		A	С	1	2,5	1,5	0.4	6089	8 MCB	, C	20	10	N/A	1.15
6/L1	Storage	heater R0	10		A	С	1	2.5	1.5	0.4	6089	8 MCB	С	10	10	N/A	2.30
6/L2	Storage	heater R0	Ю1	_	A	С	1	4	2.5	0.4	6089	в мсв	С	16	10	N/A	1.44
6/L3	SPARE				•				-	-		£	-	-	3	-	2
					-	-	-										
					-	-	-									1	
					 	 	-										
					-	-		-		-						-	
						-	_	_			-					<u> </u>	
											n=						
Wiring	Code	Э		Am.													
	P	4	В	С		D		E		F	F	G		Н		0	
a de		/PVC ples	PVC cables în metallic conduit	PVC cat in non-mei condu	tallic	PVC cat in metall trunki	lic	PVC ca in non-me trunk	etallic		/SWA bles	XLPE/SAVA cables	Mine	eral insula cables	ted	Other	

Board T	ests														
ONLY TO	BE COM	IPLETED IF T	THE DISTR HE ORIGIN	IBUTION BO	ARD IS NO	OT CONN ON	ECTED		TES	ST INSTRU	JMENTS (SER	IAL NUN	IBERS) USF	ΞD	
Zs	N/A		Operating times of		At I _{A n}	N/A	ms	Earth fau loop impedance	883	35028		RCD	8835028	3	
lpf	N/A		associated RCD (if any	<i>(</i>)	At 5I $_{\Delta}_{n}$	N/A	ms	Insulation	883	35028		Other	N/A		
Correct s polarity confirmed			Phase sequ (where app	uence confirm ropriate)	ned			Continuit		35028		Other	N/A		
Details	of circu	its and/or	equipm	nent vulne	erable to	o dama	ge							il.	
None							1								
Circuit 1	Гests											, 1111		W.	
		Circ	uit Impedar Ω	nces	47, 41	i i i	Insulation	resistance		p		R	CD operating times	ig	- Co
Circuit number and phase		g final circuits easure end to		All cire (At leas colui to be con	st one mn	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral	a r	Maximum measured earth fault loop impedance	At I Δ n	At 5l ∆ n	Test button operation	Remarks see continuation sheet
	r ₁ (Line)	rn (Neutral)	r ₂ (cpc)	(R ₁ + R ₂₎	(R ₂)	МΩ	МΩ	МΩ	ΜΩ	t y	Ω	ms	ms	Ja p	s,
1/L1				0.04	n/a		200>	200>	200>	√	0,28	N/A	N/A	N/A	NO
1/L2												N/A	N/A	N/A	NO
1/L3												N/A	N/A	N/A	NO
2/L1									96.			N/A	N/A	N/A	NO
2/L2				0.03	n/a		200>	200>	200>	✓	0.27	N/A	N/A	N/A	NO
2/L3												N/A	N/A	N/A	NO
3/L1				0.26	n/a		200>	200>	200>	√	0,50	N/A	N/A	N/A	NO
3/L2				0,11	n/a		200>	200>	200>	✓	0,35	N/A	N/A	N/A	NO
3/L3												N/A	N/A	N/A	NO
4/L1												N/A	N/A	N/A	NO
4/L2												N/A	N/A	N/A	NO
4/L3												N/A	N/A	N/A	NO
5/L1												N/A	N/A	N/A	NO
5/L2												N/A	N/A	N/A	NO
5/L3												N/A	N/A	N/A	NO
6/L1												N/A	N/A	N/A	NO
6/L2												N/A	N/A	N/A	NO
6/L3		<u> </u>		-	7	-	-	122	(i)	7,4	-	12	520	-	
Tested	Ву			100	10.11	e su		T I				177.0	THE E	0	V
Signa	ture			ţ.				Position	1	Approv	ed Electrici	an			
Name		John	Tomkins	on			7.0	Date of		18/06/2	2012	1 - 12-			XI

Agreed limitations including the reasons, Con		
earth. No insulation tests carried out between		
Dist Board heating maximum earth fault loop i	impednce calculated (R1+R2+Ze)	
		(6)
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	411	4
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1	3	

		0 1	Further Investigation
Item No	Description	Code	Required
5	4.0 CONSUMER UNIT / DISTRIBUTION BOARD 4.18 RCD(s) provided for fault protection – includes	C3	No
	RCBOs (411.4.9; 411.5.2; 531.2)		
6	4.0 CONSUMER UNIT / DISTRIBUTION BOARD 4.19 RCD(s) provided for additional protection -	C3	No
	includes RCBOs (411.3.3; 415.1)		
7	5.0 FINAL CIRCUITS 5.12.2 . for supply to mobile equipment not exceeding 32 A rating for use	C3	No
	outdoors (411.3.3)		
8	5.0 FINAL CIRCUITS 5.12.3 . for cables concealed in walls or partitions (522.6.102; 522.6.103)	C3	No

Code Key

- C1 Danger present. Risk of injury. Immediate remedial action required
- C2 Potentially dangerous urgent remedial action required
- C3 Improvement recommended

CONDITION REPORT GUIDANCE NOTES FOR RECIPIENTS

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

- The purpose of this Condition 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 residual current devices (RCD) there should be a notice at or near the device stating that it should be tested quarterly. 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.
- Some operational limitations such as 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 competent person 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 competent person 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 the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated as soon as possible. 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 competent person. 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.

Circuit Chart Board - DB Lighting/Power

Qamtech

Client Name Client Name South Ayrshire Council (2012) Location of board Overcurrent Device N/A N/A
--

Way prase Circuit Name Original Reference of the points o			THE RESERVE OF THE PARTY OF THE				Circuit Cond	ircuit Conductor CSA	Maximum	Overcurrent Protective Device	otective	e Device		2000	
Sub Mains(DB 2) A C 1 1 6 5 3871 MCB 2 40 10 MA Sub Mains(DB 2) A C 1 2.5 1.5 0.4 3871 MCB 2 40 10 N/A Water heater R002 A C 1 2.5 1.5 0.4 3871 MCB 2 20 10 N/A Cooker R005 A C 1 2.5 1.5 0.4 3871 MCB 2 2 0 10 N/A Sockets F fan + heater R005,R011 A C 1 6 4 0.4 3871 MCB 2 2 0 10 N/A Sockets backstage + R004 A C 1 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Sockets Bodssage + R004 A C 1.2 1.5 1.5 0.4 3871 MCB 2 2 10 N/A Lights R005	Way	Phase	Circuit Name	type	Reference Method	No or points served	Live	срс	Disconnection time permitted by BS 7671	BS(EN)	Type No	Rating	Short Circuit Capacity	RCD Operating Current	Maximum Zs permitted by BS7671
Sub Mains(DB 2) A C 1 10 6 5 3871 MCB 2 40 10 N/A Water heater R012 A C 1 2.5 1.5 0.4 3871 MCB 2 20 10 N/A Water heater R002 A C 1 2.5 1.5 0.4 3871 MCB 2 20 10 N/A Cooker R006 A C 1 2.5 1.5 0.4 3871 MCB 2 20 10 N/A Sockets Ann + heater R005,R011 A C 1 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Sockets R005 A C 1.2 1.5 0.4 3871 MCB 2 30 10 N/A Lights R001, R002, R004, R006, R007 A C 1.5 1.5 0.4 3871 MCB 2 10 10 N/A Sub Mains(DB Fan Heating Control) A C <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>(mm²)</td><td>(mm²)</td><td>(s)</td><td></td><td></td><td>€</td><td>(kA)</td><td>(mA)</td><td>(α)</td></td<>							(mm ²)	(mm ²)	(s)			€	(kA)	(mA)	(α)
Water heater R012 A C 1 2.5 1.5 0.4 3871 MCB 2 2 0 NA Water heater R002 A C 1 2.5 1.5 0.4 3871 MCB 2 2 0 10 N/A Cooker R006 A C 1 2.5 1.5 0.4 3871 MCB 2 2 0 10 N/A Sockets Fand + heater R005,R011 A C 10 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Sockets backstage + R004 A C 1.5 1.5 0.4 3871 MCB 2 30 10 N/A Lights R005 A C 1.5 1.5 0.4 3871 MCB 2 10 1/A N/A Sub Mains(DB Fan Heater) A C 1.5 1.5 0.4 3871 MCB 2 10 1/A N/A Sockets R006 A C	1	1	Sub Mains(DB 2)	Ø	U	1	10	9	Ŋ	3871 MCB	2	4	10	N/A	0.82
Water heater R002 A C 1 2.5 1.5 0.4 3871 MCB 2 2 0 N/A Cooker R006 A C 1 6 4 0.4 3871 MCB 2 20 10 N/A Sockets Front + heater R005, R011 A C 1 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Sockets backstage + R004 A C 1 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Lights R005 A C 1 2.5 1.5 0.4 3871 MCB 2 10 N/A Lights R001, R004, R006, R005, R004, R006, R007 A C 1 2.5 1.5 0.4 3871 MCB 2 10 N/A Sub Mains(DB Fan Heating Combol) E A C 1.5 1.5 0.4 3871 MCB 2 10 N/A Sockets R006 A C 1 <td>-1</td> <td>7</td> <td>Water heater R012</td> <td>V</td> <td>U</td> <td>1</td> <td>2.5</td> <td>1.5</td> <td>0.4</td> <td>3871 MCB</td> <td>7</td> <td>20</td> <td>10</td> <td>N/A</td> <td>1.64</td>	-1	7	Water heater R012	V	U	1	2.5	1.5	0.4	3871 MCB	7	20	10	N/A	1.64
Cooker R006 A C 1 6 4 0.4 3871 MCB 2 30 10 N/A Sockets + fan + heater R005,R011 A C 10 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Sockets backstage + R004 A C 1 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Lights R005 A C 1 2.5 1.5 0.4 3871 MCB 2 10 10 N/A Lights R001, R002, R004, R005, R007 A C 1 2.5 1.5 0.4 3871 MCB 2 10 1/A Lights R001, R002, R004, R005, R007 A C 1 2.5 1.5 0.4 3871 MCB 2 10 1/A Sockets R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Fan heater R006 A C	+	ញ	Water heater R002	4	U	-1	2.5	1.5	0.4	3871 MCB	2	70	10	N/A	1.64
Sockets + fan + heater R005,R011 A C 10 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Sockets backstage + R004 A C 4 2.5 1.5 1.6 0.4 3871 MCB 2 30 10 N/A Lights R005 A C 1.2 1.5 1.5 0.4 3871 MCB 2 10 10 N/A Water heater A C 1.5 1.5 0.4 3871 MCB 2 10 10 N/A Lights R001, R002, R004, R006, R007 A C 1.5 1.5 0.4 3871 MCB 2 10 10 N/A Sub Mains (DB Fan Heating Control) E A C 1.5 1.5 0.4 3871 MCB 2 10 10 N/A Fan heater R006 A C 1.5 1.5 0.4 3871 MCB 2 15 10 N/A Fan heater R006 A	7	コ	Cooker R006	4	U	1	9	4	0.4	3871 MCB	7	30	10	N/A	1.09
Sockets backstage + R004 A C 4 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Lights R005 A C 1.2 1.5 1 0.4 3871 MCB 2 10 10 N/A Water heater A C 1 2.5 1.5 0.4 3871 MCB 2 10 10 N/A Lights R001,R002,R004,R005,R007 A C 1.5 1.5 0.4 3871 MCB 2 10 10 N/A Sub Mains(DB Fan Heating Control) E A C 1 2.5 1.5 0.4 3871 MCB 2 5 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Time clock fan + heaters	7	7	Sockets + fan + heater R005,R011	4	U	10	2.5	1.5	0.4	3871 MCB	7	30	10	N/A	1.09
Lights R005 A C 12 1.5 1 0.4 3871 MCB 2 10 10 N/A Water heater A C 1 2.5 1.5 0.4 3871 MCB 2 10 10 N/A Lights R001,R002,R004,R006,R007 A C 15 1.5 1 0.4 3871 MCB 2 10 10 N/A Sub Mains(DB Fan Heating Control) E A C 15 1.5 0.4 3871 MCB 2 5 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 10 N/A Sockets R006 A C 1 2.5 1.5 0.4 3871 MCB 2 10 N/A Time clock fan + heaters E A 1 1.5 0.4 3871 MCB 2 5 10 N/A Spackets R005 - - - - - </td <td>7</td> <td>១</td> <td>Sockets backstage + R004</td> <td>4</td> <td>ပ</td> <td>4</td> <td>2.5</td> <td>1.5</td> <td>0.4</td> <td>3871 MCB</td> <td>2</td> <td>30</td> <td>10</td> <td>N/A</td> <td>1.09</td>	7	១	Sockets backstage + R004	4	ပ	4	2.5	1.5	0.4	3871 MCB	2	30	10	N/A	1.09
Water heater A C 1 2.5 1.5 0.4 3871 MCB 2 10 10 N/A Lights R001,R002,R004,R006,R007 A C 1.5 1.5 1 0.4 3871 MCB 2 10 10 N/A Sub Mains(DB Fan Heating Control) E A C 1 2.5 1.5 0.4 3871 MCB 2 5 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Fan heater R004 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Tame clock fan + heaters E A 1 1.5 0 4 3871 MCB 2 5 10 N/A Spackets R005	က	I	Lights R005	⋖	ပ	12	1.5	1	0.4	3871 MCB	7	10	10	N/A	3.29
Lights R001,R002,R004,R006,R007 A C 15 1.5 1 0.4 3871 MCB 2 10 10 N/A Sub Mains(DB Fan Heating Control) E A 1 2.5 1.5 0.4 3871 MCB 2 5 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Fan heater R004 A C 1 2.5 1.5 0.4 3871 MCB 2 1 N/A Time clock fan + heaters E A 1 1.5 1 0.4 3871 MCB 2 5 10 N/A SpARE - - - - - - - - - - - - - - - - -	က	7	Water heater	4	U	1	2.5	1.5	0.4	3871 MCB	7	10	10	N/A	3.29
Sub Mains(DB Fan Heating Control) E A 1 2.5 1.5 0.4 3871 MCB 2 5 10 N/A Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Sockets R006 A C 1 2.5 1.5 0.4 3871 MCB 2 10 N/A Fan heater R004 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Time clock fan + heaters E A 1 1.5 1 0.4 3871 MCB 2 5 10 N/A SpARE -<	က	EJ	Lights R001, R002, R004, R006, R007	4	U	15	1.5	1	0.4	3871 MCB	7	10	10	N/A	3.29
Fan heater R006 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Sockets R006 A C 2 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Fan heater R004 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Time clock fan + heaters E A 1 1,5 1 0.4 3871 MCB 2 5 10 N/A SPARE -	4	₽	Sub Mains(DB Fan Heating Control)	ш	V	-	2.5	1.5	0.4	3871 MCB	2	S	10	N/A	6.57
Sockets R006 A C 2 2.5 1.5 0.4 3871 MCB 2 30 10 N/A Fan heater R004 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Time clock fan + heaters E A 1 1,5 1 0.4 3871 MCB 2 5 10 N/A SPARE - <td>Ŋ</td> <td>디</td> <td>Fan heater R006</td> <td>V</td> <td>ပ</td> <td>-</td> <td>2.5</td> <td>1.5</td> <td>0.4</td> <td>3871 MCB</td> <td>7</td> <td>15</td> <td>10</td> <td>N/A</td> <td>2.19</td>	Ŋ	디	Fan heater R006	V	ပ	-	2.5	1.5	0.4	3871 MCB	7	15	10	N/A	2.19
Fan heater R004 A C 1 2.5 1.5 0.4 3871 MCB 2 15 10 N/A Time clock fan + heaters E A 1 1,5 1 0.4 3871 MCB 2 5 10 N/A SPARE -	₁	7	Sockets R006	4	U	2	2.5	1.5	0.4	3871 MCB	7	30	10	N/A	1.09
Time dock fan + heaters E A 1 1.5 1 0.4 3871 MCB 2 5 10 N/A SPARE	2	ៗ	Fan heater R004	V	U	-	2.5	1.5	0.4	3871 MCB	7	15	10	N/A	2.19
SPARE	9	1	Time clock fan + heaters	ш	A	1	1,5	1	0.4	3871 MCB	2	Ŋ	10	N/A	6.57
Sockets R005 A C 2 2.5 1.5 0.4 3871 MCB 2 30 10 N/A	9	7	SPARE		1	1	_	•			1		,	•	1 00
	9	ជ	Sockets R005	⋖	U	7	2.5	1.5	0.4	3871 MCB	2	93	10	N/A	1.09

Circuit Chart Board - DB 2

Gamtech

Client Name	South Ayrshire Council (2012)	Installation Name	on Name Barrhill Community Centre	Board Phase(s)	П
Location of board	Main hall R005	Supplied from	1/L1 DB Lighting/Power	Nominal Voltage	230 V
Overcurrent Device	3871 MCB	Rating 40 A			
RCD Device	N/A	Rating N/A mA		RCD No Of Poles N/A	N/A

			- 11 32 14 14			Circuit Con	ductor CSA	Circuit Conductor CSA Maximum	Overcurrent Protective Device	rotective	Device		1000	
Nay	/ay Phase	Circuit Name	type	type Method points Served	No of points served	Live (mm ²)	cpc (mm ²)	usconnection time permitted by BS 7671 (s)	BS(EN)	Type No	Rating (Rating Short Ope Capacity Cu (A) (kA) (RCD Operating Current (mA)	Maximum Zs permitted by BS7671 (Ω)
-	I	SPARE	,	1	(II		1	4	3	,	1	i		
7	1	Lights + fan R008,R009,R010	∢	ပ	2	1.5	1	0.4	3871 MCB	2	Ŋ	10	N/A	6.57
m	I	Heater R010	A	U	က	2.5	1.5	0.4	3871 MCB	7	15	10	N/A	2.19
4	コ	Water heater R008	4	ပ	2	2.5	1.5	0.4	3871 MCB	2	30	10	N/A	1.09
7	1	SPARE	ì	r	10	1	1	-	*		•	,	,	•
٠	-	SPARE		•	100	-1-		1				1	à	

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Circuit Chart Board - DB Heating

Gamtech

Client Name	South Ayrshire Council (2012)	Installation Name	Installation Name Barrhill Community Centre	Board Phase(s) Three Phase	Three Phase
Location of board	Hall cupboard R005	Supplied from	Main Supply	Nominal Voltage	400 V
Overcurrent Device	N/A	Rating N/A			
RCD Device	N/A	Rating N/A		RCD No Of Poles	N/A

						Circuit Cor	rcuit Conductor CSA	Maximum	Overcurrent Protective Device	rotectiv	e Device	9		
Vay	/ay Phase	Circuit Name	wiring	Wiring Reference type Method	No of points served	Live	срс	Disconnection time permitted by BS 7671	BS(EN)	Type	Rating	Short Circuit Capacity	RCD Operating Current	Maximum Zs permitted by BS7671
						(mm ²)	(mm ²)	(s)			(F)	(kA)	(mA)	(Ω)
1	1	Storage heater R005	A	ပ	1	4	2.5	0.4	60898 MCB	U	32	10	N/A	0.72
1	7	Storage heater R005	4	U	Н	4	2.5	0.4	60898 MCB	ပ	32	10	N/A	0.72
H	ញ	Storage heater R011	V	U	H	9	2.5	0.4	60898 MCB	U	40	10	N/A	0.57
2	I	Storage heater R0005	4	U	T	4	2.5	2	60898 MCB	U	32	10	N/A	0.72
2	7	Storage heater R005	A	U		4	2.5	0.4	60898 MCB	U	32	10	N/A	0.72
2	ៗ	Storage heater R011	⋖	U	-	Φ.	2.5	0.4	60898 MCB	U	4	10	N/A	0.57
က	⊐	Storage heater R005	V	U	1	4	2.5	0.4	60898 MCB	U	35	10	N/A	0.72
3	7	Storage heater R005	¥	U	1	ব	2.5	0.4	60898 MCB	U	32	10	N/A	0.72
e	ៗ	Storage heater R002	V	U	H	2.5	1.5	0.4	60898 MCB	U	10	10	N/A	2.30
4	ゴ	Storage heater R006	4	U	-	4	2.5	0.4	60898 MCB	U	16	10	N/A	1.44
4	7	Storage heater R012	V	U		4	2.5	9.4	60898 MCB	υ	10	10	N/A	2.30
4	ជ	Storage heater R004	4	U	-	2,5	1.5	0.4	60898 MCB	U	70	10	N/A	1.15
5	コ	Storage heater R009	V	υ	-1	2.5	1.5	0.4	60898 MCB	U	10	10	N/A	2.30
2	2	Storage heater R001	4	U	-	XI.	2.5	0.4	60898 MCB	ပ	16	10	N/A	4.1
5	ப	Storage heater R004	A	U	1	2.5	1.5	-0.4	60898 MCB	U	70	10	N/A	1.15
9	I	Storage heater R010	4	U	-	2.5	1.5	0.4	60898 MCB	v	10	10	N/A	2.30
9	7	Storage heater R001	V	U	1	4	2.5	0.4	60898 MCB	U	16	10	N/A	1.44
9	ವ	SPARE							1	•	•			

Board - DB Fan Heating Control Circuit Chart

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Client Nam

Installation Name	Supplied from	
لة	<u>v</u>	

community Centre	ighting/Power
Barrhill Com	4/TP DB Ligh

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Three Phase

400 V	
inal Voltage	

N/A oles

Location of board	Main hall R(
Overcurrent Device	3871 MCB
RCD Device	N/A

	5 A	N/A mA
moll pallddag	Rating	Rating

Wiring Reference type Method

Circuit Name

Way Phase

OOO

4 4 4

Storage heater fans R005 Storage heater fans R011 Storage heater fans R005

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	ZS by	N.			
	Maximum Zs permitted by BS7671	(α)	7.67	7.67	7.67
	RCD Maximum Zs Operating permitted by Current BS7671	(mA)	N/A	N/A	N/A
0)	Short Circuit Capacity	(R	10	10	10
e Devic	Type Rating No	()	9	9	9
rotectiv	Type No		В	60	8
rent P				16	
Overcurrent Protective Device	BS(EN)		60898 MCB	60898 MCB	60898 MCB
Circuit Conductor CSA Maximum	usconnection time permitted by BS 7671	(s)	0.4	0.4	0.4
ductor CSA	cbc	(mm ²)	1	1	1
Circuit Cond	Líve	(mm ²)	1.5	15	1.5
	No of points served		4	4	7

Comments on report

X X

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