# HAWKESBURY UPTON VILLAGE HALL

# 5 YEAR CONDITION TEST AND INSPECTION

AT

## HIGH STREET

### **HAWKESBURY UPTON**

### **SOUTH GLOS**

### GL9 1AU

DATED OCTOBER 2016





### Particulars At Origin

- 1. Incoming supply 100A single phase BS1361 Type 2B
- 2. Type of income earth path TNCS
- 3. Distribution: -
  - A. Feeding Cables Tails phase/neutral 25mm2 double insulted
     Earthing 16mm2
  - B. Distribution enclosure Inset into front profile not IP rated
- Supply Particulars ZE at origin 0.27 Ω
   PSC at origin 1.984KA
   Incoming Voltage 232/400 V
- 5. Main switch/ isolator particulars Tripled poled BS EN 60947-3

#### 6. Sub Distribution Boards

			and the second	
Board No.	Designation	<u>Ways</u>	Main Switch	<u>Rating</u>
DB1	Hall/Stage	4 TPN	BS60947-3	100 A
DB2	Main Hall	16 SPN	BS60947-3	100 A
DB2A	Main Hall	10 SPN	BS60947-3	100 A
DB3	Kitchen	4 TPN	BS60947-3	100 A
DB4	External	4SPN	BS4293	100A

#### 7. Sub Distribution Board Particular

Board No.	ZE (s)	PSC (IF)	U®
DB1	0.27Ω	1.984KA	232/410V
DB2	0.32Ω	1.538KA	230V
DB2A	0.32Ω	1.466KA	230V
DB3	0.33Ω	1.426KA	230/410V
DB4	0.62Ω	0.721KA	230V

#### ELECTRICAL INSTALLATION CONDITION REPORT



	s of the one	envPerson O	rdering the	Report	B. Reason for	r Produc	ing this R	eport		
Client:	Hawkesb	ury Hospital H	lall		Purpose of this r	report:				
Address:	The Villag High Stree Hawkesbu South Glo	et ury Upton			Client Instru	uction				•
	GL9 1AU				Date(s) on which and testing was			2016		
C. Details	s of the Inst	allation whic	h is the Su	bject of this Report						
Installation:	Village H				Description of premises:		Domestic N/A	Comn	nercial	Industria N/A
Occupier:	Occupier				Other:				•	
Address:	The Villag	e Hall			N/A					
	High Stree				Estimated age	of wiring sy	stem:			25 yrs
	Hawkesbu				Evidence of alte	erations		If yes		10
	South Glo	ucester	(	GL9 1AU	or additions:		Date o	estima previous	ated Age	10 yrs
Record of Installation a	vailable:	Records held	By:				inspect		Not Kno	wn
D. Extent	and Limita	tions Inspec	tion and Te	esting						
		on covered by this		Charles and the second s	Agreed limitations inc	cluding the	reasons (See	regulation 63	34.2)	
DB1,DB2	2,DB2A,DB3	& DB4			No Access to h	and the second sec	and the second se			
				Agreed with name	Committee					
	imitations inclu	ding the reasons	See page No	)						
Operational L									the two septembers of the best of	
None				1						
None										
None This inspection to July 2015 It should be been inspect	on and testing d 5 noted that cable ted unless spec	etailed in this repo	ort and accomp	anying schedules have beer conduits, under floors, in roc and inspector prior to the in	of spaces, and genera	ally within th	he fabric of the	building or	underground	have NOT
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#### GL000000120 - Master

		s and Earthing Arran	ngements							
Earthing Arrangeme		Number and Type of Live C	onductors	Nature of	Supply	y Paramet	ers		Supply protective	levice
TN-S	a.c.		d.c.	Nominal Voltage	U <sup>(1)</sup>	400	V	BS(EN)	use HBC	
TN-C-S	✓ 1-Phase (2 wire)	1-Phase (3 wire)	2 Wire	Nominal Voltage	U 0 <sup>(1)</sup>	230	V	10011		
TN-C	2-Phase		3	Nominal frequency	f <sup>(1)</sup>	50	Hz	Туре		
	(3 wire)		Wire	Prospective fault current	lpf <sup>(2)</sup>	1.988	kA	2		
ТТ	3-Phase (3 wire)	3-Phase (4 wire)	Other	External loop impedance	Ze <sup>(2)</sup>	0.27	Ω	Nominal current ra	ating 100	A
IT	Other			Number of supplies		1		Short circ	suit 33	kA
	Confirmati	ion of supply polarity	✓	(Note: (1) by by measurem		r, (2) by en	quiry or			
. Particu	lars of Installa	ation Referred to in th	he Report							
	of earthing		Details	of installation E	arth Ele	ectrode (w	here ap	oplicable)		
Distributor's acility	1	Type (e.g. rod(s), tape etc.)		Loca	tion					
Installation		Resistance to								
earth electrod	le la	Earth		Ω						
					od of sureme	nt		en ante en ante en ante en ante		
Agin Prot	ective Condu	Tick boxes a	and enter details as a	pplicable		-				-
		CIUIS								
arthing Conductor	Mater	rial Copper	csa 25	mm <sup>2</sup>		Connec	tion and	Continuity	Verified 🖌	
lain protectiv onding condi	IVIALCI	rial Copper	csa 10	mm <sup>2</sup>		Connec	tion and	Continuity	Verified 🗸	
Bonding of I	ncoming Service				Т	Mariner				
Vater installati		installation N/A Structura				and the second second	m Dema	and (Load)		
Dil installati	bes	pipes Steel	I protectio	n		66		Amps		
pip			Please State			Protecti	ve meas	sure(s) agai	nst electric shock	
		Other incoming service(s) N/A				ADS	-		-//	
Aain Swite	ch / Switch-Fu	use / Circuit-Breaker	/ RCD							
Location	Main Hall sid	de entrance			Curre	ent	125	A	if RCD main	switch
					rating	9	120		Rated residual operation current,	N/A m
						/Device	100	A	I∆n	
	60047.0					g or setting	-		Rated time delay	r
Type BS(EN)	60947-3		No of poles 3		Volta rating		400	V	RCD Operating	m
Supply Conductors naterial	Copper	Sup Cor csa	nductors 25	mm <sup>2</sup>					time at, I∆n	, in the second
. Observa	ations									
eferring to th	e attached schedul	lle(s) of Inspection and Test R	esults, and subject to	the limitations s	oecified	I at the Ext	ent and	Limitations	of the Inspection and	I testing sect
lo remedial a	ction is required.	N/A The following of	bservations are made							
				- house and						
Item No	ана на селото на село Посто			servations						Code
1		ported cabling to DB2 &			-out-themale-out-					C3
2		e parts due to open end		& DB2A						C2
3		NOT supported or insu								C3
4	Main supply c	abling not colour codec	1							C2
5	DB2 & DB2A									C3
		s continue on continuat	NOT A CONTRACTOR OF THE PROPERTY OF THE OWNER		and parts	Science				
legree of urge	ency for remedial a			rvations made ab	ove to	indicate to	the pers	son(s) resp	onsible for the installa	tion the
C1 - Danger pr	esent. Risk of injury.	Immediate remedial action req	uired (	)						
2 - Potentially	/dangerous-urgent	t remedial action required		7						
ය - Improvem	ent recommended		2	0						
Fl - Further inv	estigation required	without delay		2						
			Reamonstation	anananana a						

#### 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.

utcomes	Acceptable condition	~	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No					Description						Outc	ome		Comments
1.0	DISTRIBUTO	R'S / SL	IPPLY INTAKE	EQUIPMEN	IT									
1.1	Condition of s		and the second strength and								×	/		No
1.2	Condition of S	Service h	ead			ny i sy daara					v			No
1.3	Condition of d	listributo	r's earthing arrar	igement							~ ~	1		No
1.4			s - Distributor/Co	-							v			No
1.5	Condition of n	netering	equipment					Altri - Ver pitri bio	0		· · · · ·			No
1.6	Condition of Is	solator (v	where present)								,			No
2.0	PRESENCE (	OF ADE	QUATE ARRAN	GEMENTS	FOR PARALLE	L OR S	WITCHED ALT	ERNATI	νE		N/			No
3.0	EARTHING /	BONDIN	IG ARRANGEM	ENTS (411	.3; Chap 54)									
3.1	Presence and	l conditic	on of distributor's	earthing ar	rangement (542.				v	<u>,                                     </u>		No		
3.2	Presence and	l conditio	n of earth electro	ode connec	tion where applie	cable (5-		*****		N/			No	
3.3			onding labels at		and the second second second second					~			No	
3.4			ng conductor size			i					~			No
3.5	the state of the second st		ition of earthing								~			No
3.6	Confirmation of	of main p	protective bondin	g conducto	r sizes (544.1)						 			No
3.7	Condition and	accessi	bility of main pro	tective bon	ding conductor c	onnectio	ons (543.3.2; 54	4.1.2)			~			No
3.8	Accessibility a	and cond	ition of other pro	tective bon	ding connections	(543.3.	2)		*****		, 			No
4.0	CONSUMER	UNIT (S)	/ DISTRIBUTIC	N BOARD	(S)									
4.1	Adequacy of v	working s	pace / accessibi	lity to cons	umer unit / distrit	oution be	oard (132.12; 5	13.1)			~	1		No
4.2	Security of fixi	ing (134.	1.1)											No
4.3	Condition of e	nclosure	(s) in terms of IF	rating etc	(416.2)						C3 (see s	ectior	n K)	No
4.4	Condition of e	nclosure	(s) in terms of fir	e rating etc	(421.1.201; 526	.5)					C3 (see s		No. of Concession, No. of Conces	No
4.5	Enclosure not	damage	d/deteriorated so	as to impa	air safety (Regula	ation 62	1.2 (iii))	······				-		No
4.6	Presence of lin	nked ma	in switch (as req	uired by 53	7.1.4)						N/	A		No
4.7	Operation of n	nain swit	ch (functional ch	eck) (612.1	3.2)						~			No
4.8	Manual operat	tion of ci	rcuit-breakers an	d RCDs to	prove disconnec	tion (61	2.13.2)				· · · · · · · · · · · · · · · · · · ·	· · · ·		No
4.9	Correct identif	ication o	f circuit details a	nd protectiv	e devices (514.8	8.1;514.9	9.1)			(	C3 (see s	ection	K)	No
4.10	Presence of R	CD quar	terly test notice	at or near c	onsumer unit / di	stributic	n board (514.1	2.2)			<u>`</u>			No
4.11	Presence of no (514.14)	on-stand	ard (mixed) cabl	e colour wa	rning notice at o	r near c	onsumer unit / o	distributio	n board	(	C3 (see s		і К)	No
4.12	Presence of a	Iternative	e supply warning	notice at o	near consumer	unit / di	stribution board	(514.15)			N/.	Ą		No
4.13	Presence of of	ther requ	ired labelling (pl	ease specif	y)(Section 514)					and the second data	N/.	Ą		No
	damage, arcin	g or ove	ive device(s) and rheating)(421.1.3	3)				ceptable 1	thermal	2	~	·		No
	and the second s		or protective devi		the second s	Contraction (1997)					~	·		No
	522.8.11)		hanical damage							(	C3 (see s	ection	К)	No
	(521.5.1))		tromagnetic effe					board / e	nclosures		N//			No
		the second s	ult protection - ir								1	(		No
			Iditional protection			.3; 415.	1)				~			No
I DURING A			on that SPD is fu		· · · · · · · · · · · · · · · · · · ·						N//	4		No
	terminals and a	are tight	conductor conne and secure (526 s where a gener	.1)				-			N//	4		No
	(551.6)								руу		N//	4		No
States and the state of the	Constant and the second second		s where a genera	ating set op	erates in parallel	with the	e public supply	(551.7)			N//	A		No
	FINAL CIRCU												- 1. J.	
	Identification o									C	C3 (see se	ection	K)	No
5.2	Cables correct	ly suppo	rted throughout i	heir run (52	2.8.5)					C	C3 (see se	ection	K)	No
	Condition of in	sulation	of live parts (416	1)							~			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.

Acceptable Unacceptable State C1 Improvement State Further Not Itcomes FI NN Limitation LIM Not applicable N/A condition condition or C2 recommended C3 investigation verified Item No Description Outcome Comments 5.0 FINAL CIRCUITS (Continued) Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) 5.4.0 C3 (see section K) No 5.4.1 To include the integrity of conduit and trunking systems (metallic and plastic) N/A No Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 5.5 1 No 523) 5.6 Coordination between conductors and overload protective devices (433.1; 533.2.1) N/A No 5.7 Adequacy of protective devices; type and rated current for fault protection (411.3) N/A No 58 Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1) N/A No 5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522) N/A No 5.10 Concealed cables installed in prescribed zones (see section D. Extent and limitations) (522,6,202) N/A No Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage 5.11 N/A No (see Section D. Extent and limitations) (522.6.204) 5.12.0 Provision of additional protection by RCD not exceeding 30mA For all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3) 5.12.1 No 5.12.2 No For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) 5.12.3 For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203) No N/A 5.12.4 No For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203) V 5.13 No Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) N/A 5.14 Band II Cables segregated / separated from Band I cables (528.1) No N/A 5.15 Cables segregated / separated from communications cabling (528.2) No N/A 5.16 No Cables segregated / separated from non-electrical services (528.3) N/A 5.17.0 Termination of cables at enclosures – indicate extent of sampling in Section D of the report (Section 526) 5.17.1 No Connections soundly made and under no undue strain (526.6) 5.17.2 No No basic insulation of a conductor visible outside enclosure (526.8) C3 (see section K) 5 17 3 Connections of live conductors adequately enclosed (526.5) No C3 (see section K) 5.17.4 Adequately connected at point of entry to enclosure (glands, bushes etc...) (522.8.5) No C3 (see section K) 5.18 Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii)) C3 (see section K) No 5.19 Suitability of accessories for external influences (512.2) N/A No 5.20 Adequacy of working space / accessibility to equipment (132.12; 513.1) No N/A 5.21 Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2) No ~ 6.0 LOCATION(S) CONTAINING A BATH OR SHOWER Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3) 6.1 No 1 6.2 Where used as a protective measure, requirements for SELV or PELV met (701,414,4.5) No N/A 6.3 Shaver sockets comply with BS EN 61558-2-5 formally BS 3535 (701.512.3) N/A No 64 Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.415.2) No 1 Low Voltage (e.g.230 volts) socket outlets at least 3m from Zone 1 (701.512.3) 6.5 No 1 66 Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2) No 1 6.7 Suitability of accessories and control gear etc. for a particular zone (701.512.3) No Suitability of current-using equipment for particular position within the location (701.55) 68 1 No OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS 7.0 ist all other special installations or locations present, if any. (Record separately the results of particular Number of No 7.1 0 inspections applied) locations **Inspected By** 

Page 4 of 15

09/11/2016

M A Jones

Name:

Signature

Date:

Olagons.

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

5

GL000000120 - Master

										OF TH	E INSTALLAT	ON					
Location Distribu Board		Hall	evation Mair		Supply distribut board is No of pl	tion s from			Nomin	al Voltage	• V	BS(EI RCD	N)	sociated	RCD (if	any)	
Distribu	tion	DB 1			Overcu	rrent prot	ective de	evice for t	he distrib	oution circ	suit	Poles					
board designa	tion	ter fore we also be			Type B	S(EN)				Rating	A	RCD	Rating				mA
Circuit	Detai	ils									I						
Circuit						Refe-	No of		cuit tors csa	Max per- mitted	Over	rcurrent p	protectiv	e device	Short	RCD	Max
number and phase		Circ	uit designation		Type of wiring	rence method	points	Live mm <sup>2</sup>	cpc mm <sup>2</sup>	disc- onnec- tion times	BS(EN	)	Type No	Rating	circuit capa- city kA	Op. current	per- mitter Zs Ω
1/TP	Stage su	pply			0	В	1	16	16	0.4	60898 MC	в	С	63	10	N/A	0.35
2/L1	SPARE				-	-	-	-	-	-	, <b>-</b> s		-	-	-	-	-
2/L2	Car park	lighting	ngan di kanan kanan di kanan kanan di k		F	D	1	6	2.5	0.4	60898 MC	в	В	16	10	N/A	2.73
2/L3	Sub Mair	ns(DB 2)			A	В	2	16	10	0.4	60898 MC	в	С	63	10	N/A	0.35
3/ТР	Sub Mair	ns(DB 3)			F	В	1	10	10	0.4	60898 MC	в	С	50	10	N/A	0.44
4/L1	External	sockets fro	ont		F	с	2	4	4	0.4	61009 RCD/F	СВО	С	16	10	30	1.37
4/L2	External	sockets H	L		F	с	2	4	4	0.4	61009 RCD/F	СВО	С	20	10	30	1.09
4/L3	Sub Mair	ns(DB 4)			F	D	1	16	16	0.4	60898 MC	в	С	40	10	N/A	0.55
					1												
			1997 - C.												i		
			and a second														
			n - Konton openski storega je -												******		
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			**************************************													2	
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		an in the second second															
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		в			-												
		2	en anderen gemännen einen einen eine														
Wiring	Code																
Г	A		В	С		D		E		F		G	1	Н	1	0	٦
	PVC/F cable	vc	PVC cables in metallic conduit	PVC cab in non-meta condu	allic	PVC cabl in metallic trunkin	c	PVC cab in non-met trunkir	allic	PVC/S cable	WA XLF	E/SWA ables		al insulate ables	d	Other	

#### SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

GL00000120 - Master

Board	Details															
то	BE COMPLI	ETED IN EVERY CA	SE	ONLY	TO BE C	OMPLE	TED IF TI	HE DIST		ON BOARD IS N HE INSTALLATIO		NNECTE		CTLY TO	THE OF	RIGIN
Location Distribu		in Hall Facing pboard		Supply t distribut board is	tion	SubM	lains(DI	B 1, 2/I	L3)		26(6		sociated	Sec. 14	any)	
Board				No of ph	hases	1 tective de	evice for t		nal Voltage		BS(E RCD Poles	No of	N/A N/A			
Distribu board designa	ation	2		Type BS			8 MCB (		Rating			s Rating	N/A			mA
	t Details						Cir	rcuit	Max per-	Over	current	protectiv	ve device		RCD	
Circuit number and phase		Circuit designation		Type of wiring	f Refe- rence method	No of points served	conduct	ctors csa	mitted disc- onnec-	BS(EN)		Type No	Rating	Short circuit capa- city kA	Op. current	1 23
1/L3	Hall high level	l lights LHS		A	с	4	6	2.5	0.4	60898 MC	;B	В	A 32	КА 10	ΙΔ <sub>n</sub> N/A	Ω 1.37
2/L3	Hall high level	l lights RHS		A	с	4	6	2.5	0.4	60898 MC	;В	В	32	10	N/A	1.37
3/L3	SPARE			-	-	-	-	-	-	-		-		-	-	-
4/L3	Prep area soc	:kets		A	С	2	2.5	1	0.4	60898 MC	В	В	16	10	N/A	2.73
5/L3	Main hall EM	lights LHS		A	С	6	1.5	1	0.4	60898 MC	В	В	6	10	N/A	7.28
6/L3	Main hall EM I	19-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		A	С	8	1.5	1	0.4	60898 MC	В	В	6	10	N/A	7.28
7/L3	Immersion He	ater		A	С	1	2.5	1	0.4	60898 MC	В	В	16	10	N/A	2.73
8/L3	SPARE			-	-	-	-	-	-	-		-	-	-	-	-
9/L3	SPARE			-	-	-	-	-	-	-		-	-	-	-	-
10/L3	SPARE			-	•	-	-	-	-	-		-	-	-	-	-
11/L3	SPARE			-	-	-	-	-	-	-		-	-	-	-	-
12/L3	Side spot light	is Hall		A	С	2	1	1	0.4	60898 MC	В	В	6	10	N/A	7.28
13/L3	SPARE			-	-	-	-	-	-	-		-	-	-	-	-
-	Mini spots wal			A	С	8	2.5	1	0.4	60898 MCI	В	В	6	10	N/A	7.28
15/L3	Bar/store/stag	e RHS lights		A	С	17	1	1	0.4	60898 MCI	В	В	10	10	N/A	4.37
16/L3	Fire alarm sup	ıply		н	С	1	2.5	2.5	0.4	60898 MCI	в	В	20	10	N/A	2.19
				ļ!												
			£													
		ŝ														
		c														
Wiring	Code															
	Α	В	С		D		E		F		G		Н	Τ	0	٦
	PVC/PVC cables	PVC cables in metallic conduit	PVC cabl in non-meta condui	allic	PVC cabl in metallio trunkin	ic	PVC cab in non-met trunkir	tallic	PVC/S cable		PE/SWA ables		ral insulate cables	ed be	Other	

#### SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

#### GL000000120 - Master

UNET T	DIR	IPLETED IF	HE ORIGIN	OF THE IN	STALLATIC	DN	ECTED		TE	ST INSTR	UMENTS (SEF	RIAL NUM	BERS) US	ED	
Zs	0.32	Ω	Operating times of associated		Atl <sub>An</sub>	N/A	ms	Earth faul loop impedanc	10	1368647	' meggar	RCD	101368	647 me	eggar
pf	1.54	3 <sup>kA</sup>	RCD (if any	()	At 5I $\Delta_n$	N/A	ms	Insulation	10	1368647	' meggar	Other	N/A		
Correct : polarity confirme		<ul> <li>Image: A second s</li></ul>	Phase sequ (where app	uence confir ropriate)	med			Continuity			' meggar		N/A		
etails	of circu	lits and/o	requipm	nent vuin	erable to	o dama	ge								
ircuit T	Tests	0.0													
		Circ	cuit Impedar Ω				Insulation	resistance		p o	Maximum	R	CD operati times	ng	- E
Circuit iumber and phase	(me	g final circuits asure end to	end)	All cir (At lea colu to be cor	st one mn npleted)	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral	l a r i t	measured earth fault loop impedance	At I∆n	At 5I∆n	Test button operation	Remarks see continuation
1/L3	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	MΩ	MΩ	MΩ	y y	Ω	ms	ms		
1/L3 2/L3	N/A N/A	N/A N/A	N/A N/A	0.20	N/A N/A	N/A N/A	200	200	200	1	0.54	N/A	N/A	N/A	NO
3/L3	-	-	-	0.22	- NVA	N/A	- 200	200	200	×	0.55	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.08	N/A					-				-	-
5/L3	N/A	N/A	N/A N/A	0.08	N/A N/A	N/A N/A	200	200	200	1	0.40	N/A	N/A	N/A	NC
6/L3	N/A	N/A	N/A N/A	0.36			200	200	200	*	0.66	N/A	N/A	N/A	NC
7/L3	N/A	N/A	N/A	0.42	N/A N/A	N/A	200	200	200	~	0.72	N/A	N/A	N/A	NO
8/L3	-	-				N/A	200	200	200	*	0.55	N/A	N/A	N/A	NO
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	-	-		-	-	-	-	-	-	-	-	-	-	-	-
11/L3	-		-				-	-		-	-	-	-	-	-
12/L3	N/A	N/A	N/A	0.58	N/A	N/A	200	200	200					-	
13/L3	-	-	-	-	-	-	-	-	-	×	0.89	N/A -	N/A	N/A	NO
14/L3	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200		0.95	N/A	- N/A	- N/A	-
15/L3	N/A	N/A	N/A	1.39	N/A	N/A	200	200	200	~	1.69	N/A	N/A N/A	N/A	NO NO
16/L3	N/A	N/A	N/A	0.02	N/A	N/A	200	200	200	1	0.34	N/A	N/A	N/A	NO
				0.02			200	200	200	1	0.34	IN/A	N/A	N/A	
												1			
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ested I	By														
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orginal							The Report of Salary	FUSHIDI		I AGT HIN	nineer				

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Board TO			ED IN EVERY CA	ASE	ONLY	TO BE C	OMPLE	TED IF TI	HE DIST	RIBUTIO	N BOARD IS N E INSTALLATIO	OT CON ON	INECTE	D DIREC	TLY TO	THE OF	RIGIN
Location Distribu Board			en annexe		Supply distribut board is No of pl	ition s from hases	3	lains(DE	Nomin	nal Voltage	The second s	BS(E) RCD I	N)	sociated N/A N/A		any)	
Distribu board		DB 3			Overcur Type BS			evice for th B MCB (		bution circ Rating		Poles					
designa Circuit		oile			Туре Б	5(EN)	60890		-	Raung	50 A	RCD	Rating	N/A			mA
Circuit						Refe-	No of	Circonduct	cuit	Max per- mitted	Over	current p	protectiv	e device	Short	RCD	Max
number and phase		Ci	ircuit designation		Type of wiring	TI FORDO	points		cpc mm <sup>2</sup>	disc- onnec-	BS(EN)		Type No	Rating	circuit capa- city	Op. current	per- mitted Zs
1/L1	Cooke	er supply			A	В	1	10	4	0.4	60898 MC	в	С	A 50	kA 10	ΙΔ <sub>n</sub> N/A	Ω 0.44
1/L2	SPAR	E			-	-	-	-	-	-	-		-	-		-	-
1/L3	Hand	dryer suppli	es		A	В	3	6	2.5	0.4	60898 MC	в	С	20	10	N/A	1.09
2/L1	Extern	nal sockets			A	В	2	2.5	1	0.4	60898 MC	в	С	20	10	N/A	1.09
2/L2	SPARI	Ε			-	-	-	-	-	-	-		-	-	-	-	-
2/L3	Kitcher	n/wc/showe	r lights		A	В	13	1.5	1	0.4	60898 MC	в	С	10	10	N/A	2.19
3/TP	SPAR	Ξ		a and a second second	-	-	-	-	-	-	-		-	-	-	-	-
4/TP	SPARE	Ξ			-	-	-	-	-	-	-		-	-	-	-	-
				ningetissen an													
		-		Balance Construction (Parlied													
		Proposition and a second s															
			<b></b>														
																	<b></b>
		2															
		5															
															_		
			2	17													
-			-														
Wiring	Cod	е										l.					
Γ	,	A	В	С		D		E		F		G	T	Н	T	0	٦
		Σ/PVC bles	PVC cables in metallic conduit	PVC cabl in non-meta condui	allic	PVC cable in metallic trunking	c	PVC cab in non-meta trunkin	allic	PVC/S cable	WA XLPE	E/SWA ables		al insulate cables	d (	Other	

			requipm	propriate) ment vulne	rmed *		ms	impedar Insulatio resistan Continui	on 101 ice		7 meggar 7 meggar		N/A N/A		
	Tests	Cirt	cuit Impedar Ω					resistance	e	p		R	CD operatin times	ng	
Circuit Imber and hase	(me	g final circuits easure end to	s only o end)	All cin (At leas colu to be con	ast one umn mpleted)	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral	l a r i t	Maximum measured earth fault loop impedance	At I∆n	At 5I∆n	Test button operation	Remarks see continuation
1/L1	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 N/A	MΩ 200	MΩ 200	MΩ 200	у	Ω 0.33	ms N/A	ms N/A		
1/L2	-	-	-		- N/A	- N/A	200	- 200	- 200	×	0.33	N/A		N/A	NO
1/L3	N/A	N/A	N/A	0.21	N/A	- N/A	200	200	200		0.54	- N/A	- N/A	- N/A	- NC
2/L1	N/A	N/A	N/A	0.04	N/A	N/A	200			1	-				
2/L1	-	- N/A						200	200	~	0.37	N/A	N/A	N/A	NC
			-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	N/A	N/A	N/A	0.53	N/A	N/A	200	200	200	~	0.89	N/A	N/A	N/A	NC
S/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1															
				C-											
			1												
		2 A 2 A	1								1				
				<b>†</b>											
		-													
sted	By			L			I						L I		

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3

#### SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

#### GL00000120 - Master

Location of Distribution Board	1	r Pillar - Field	Supply distribu board i No of p	tion s from	SubM	ains(DE		_3) al Voltag	e 230	v	BS(EN) RCD No		429 N/A	3 RCD		
Distribution board designation	<sup>1</sup> DB 4		Overcu Type B			MCB (		Rating		A	Poles RCD Ra	ting	30			mA
Circuit D	)etails						cuit	Max per-	(	Jvercu	urrent pro	tective	e device		RCD	
number and phase	Cir	rcuit designation	Type o wiring	f Refe- rence method	No of points served	conduct Live mm <sup>2</sup>	cpc mm <sup>2</sup>	mitted disc- onnec- tion times	BS	(EN)		ype No	Rating	Short circuit capa- city kA	Op. current	Max per- mitted Zs Ω
1/L3 So	ocket Cluster 1		0	С	1	2.5	2.5	0.4	6089	8 MCB		С	16	10	30	1667
2/L3 So	ocket Cluster 2		0	С	1	2.5	2.5	0.4	6089	8 MCB		С	16	10	30	1667
3/L3 So	ocket Cluster 3		0	С	1	2.5	2.5	0.4	6089	8 MCB		С	16	10	30	1667
4/L3 So	ocket Cluster 4		0	C	1	2.5	2.5	0.4	6089	8 MCB		С	16	10	30	1667
			ŕ													
	-	3														
			2												<u> </u>	
Wiring (	Code			1										L	L	L
	A	В	C I	D		E			F		G	T T	Н	1	0	٦
	PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC ca in metal trunk	lic	PVC ca in non-me trunk	bles stallic	PVG	/SWA bles	XLPE	E/SWA bles		ral insulat cables	ed	Other	

#### SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

#### GL00000120 - Master

	DIR	PLETED IF	THE ORIGI	OF THE IN	STALLATIC	DN .				EST INST	RUMENTS (SEI	RIAL NUN	IBERS) US	SED	
Zs Ipf	0.62		Operating times of associated		Atl <sub>An</sub> At5l <sub>An</sub>	N/A	ms	Earth fa loop impedar	nce 1		17 meggar	RCD	101368	647 m	eggar
	Street or carpoo	1	RCD (if an			N/A	in a	Insulation resistant		0136864	17 meggar	Other	N/A		
Correct polarity confirme		✓	Phase seq (where app	uence confirr propriate)	ned			Continui	ity 1	0136864	17 meggar	Other	N/A		
etails	of circu	its and/o	r equipn	nent vuln	erable to	dama	ige								
ircuit	Tests														
		Circ	cuit Impeda Ω	nces			Insulation	resistance	e	p		R	CD operati times	ng	Ę
Circuit number and phase		g final circuit: easure end to		All cir (At leas colu to be con	st one mn	Live/ Live	Live/ Neutral	Live/ Earth	Earth	l a n/r ali	Maximum measured earth fault loop impedance	At I∆n	At 5I∆n	Test button operation	Remarks see continuation
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r2 (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	ΜΩ	MΩ	t y	Ω	ms	ms	Tec	Sec
1/L3	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	1	0.69	42.5	22.9	~	NO
2/L3	N/A	N/A	N/A	0.02	N/A	N/A	200	200	200	1	0.68	43.1	22.8	1	NO
3/L3	N/A	N/A	N/A	0.02	N/A	N/A	200	200	200	1	0.68	42.6	22.9	~	NO
4/L3	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	1	0.69	42.5	22.8	1	NO
										-					
			-							_					
															- e
ested										1					
Signat	ture			Chap	w.o.			Position		Test E	ngineer				
Name		MAJ	ones					Date of testing		26/10/2	2016				

#### SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

GL000000120 - Master

Board I	Details														
то І	BE COMPLETED	D IN EVERY CASE	E ONLY	TO BE C	OMPLET	ED IF TH	IE DISTR	RIBUTION OF THE	BOARD IS NO	OT CONNE DN	CTED	DIREC	TLY TO	THE ORI	GIN
Location Distributi Board		lall facing ard	Supply f distribut board is No of pt	tion s from	1		Nomina	al Voltage	230 v	BS(EN) RCD No		ociated R	RCD (if a	iny)	
Distributi	ion DB 2A		Overcui	rrent prote	ective de	vice for th	ne distribi	oution circu	iit	Poles					
board designati	00 24		Type BS	S(EN)				Rating	A	RCD Rat	ting				mA
Circuit	Details							Max	Over	rcurrent prof	ective	device		RCD	
Circuit number and phase	Cin	cuit designation	Type of wiring	f Refe- rence method	No of points served	Circ conducts Live mm <sup>2</sup>	cuit tors csa cpc mm <sup>2</sup>	per- mitted disc- onnec- tion times	BS(EN)	) т		Rating	Short circuit capa- city	Op. current	Max per- mitted Zs
1/L3	Circuit Not Tested		A	В	-	- mille	mille	times				A	kA	1∆ <sub>n</sub>	Ω
	Kitchen Sockets		A	В	10	2.5	1	0.4	60898 MC	зв	в	32	10	30	1.37
	FF/servery/rear so	ckets	A	В	10	2.5	1	0.4	60898 MC	зв	в	32	10	30	1.37
4/L3	Door access/bar so	ockets	A	В	13	2.5	1	0.4	60898 MC	ЪВ	В	32	10	30	1.37
5/L3	Main Hall & Stage	sockets	A	В	17	2.5	1	0.4	60898 MC	зв	В	32	10	30	1.37
6/L3	First floor lights		A	В	5	1.5	1	0.4	60898 MC	СВ	В	6	10	30	7.28
7/L3	External building li	ights	A	В	6	1	1	0.4	60898 MC	СВ	В	6	10	30	7.28
8/L3	Annexe lights		A	В	7	1	1	0.4	60898 MC	СВ	В	6	10	30	7.28
9/L3	WC/Kit/entrance lig	ights	A	В	11	1	1	0.4	60898 MC	СВ	В	6	10	30	7.28
														<u> </u>	
				+				+							
	<u> </u>			+			<u> </u>	+							
			,		+		-	+							
		5. 						+						<u></u>	
							<u> </u>							1	
													<u> </u>		
Wiring	g Code				I								L		1
	A	B	C	D	Τ	E	:	F	-	G		Н		0	
	PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cal in metal trunk	llic	PVC ca in non-me trunk	n etallic	PVC/S cabl		LPE/SWA cables		ral insulat cables	ted	Other	

#### SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

#### GL00000120 - Master

	DIR	IPLETED IF	HE ORIGIN	N OF THE IN	STALLATIC	IN			11	STINST	RUMENTS (SEF	RIAL NUN	IBERS) US	SED	
Zs Ipf	0.32	a kA	Operating times of associated RCD (if an		At I $\Delta_n$ At 5I $\Delta_n$	N/A	ms ms	Earth fau loop impedan Insulatio	ce 10		7 meggar	RCD	101368	647 me	egga
Correct	supply			uence confirr				resistanc		136864	7 meggar	Other	N/A		
polarity confirme			(where app					Continuit	ty 10	136864	7 meggar	Other	N/A		
etails	of circu	its and/o	r equipn	nent vuln	erable to	dama	ige								
ircuit	Tests														
		Circ	uit Impeda Ω	nces			Insulation	resistance	,	p o		R	CD operati times	ng	
Circuit number and phase		g final circuits easure end to	sonly	All cir (At leas colu to be con	st one mn	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral	l a r	Maximum measured earth fault loop impedance	At I∆n	At 5I Δ n	Test button operation	Remarks
	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	ΜΩ	MΩ	MΩ	t y	Ω	ms	ms	Ter	
1/L3															N
2/L3	0.24	0.24	0.33	0.09	N/A	N/A	200	200	200	1	0.42	33.8	11.7	~	N
3/L3	0.46	0.46	0.72	0.38	N/A	N/A	200	200	200	1	0.71	33.8	11.7	~	N
4/L3	0.51	0.51	0.66	0.15	N/A	N/A	200	200	200	1	0.48	33.8	11.7	1	N
5/L3	0.66	0.66	0.89	0.37	N/A	N/A	200	200	200	1	0.70	33.8	11.7	1	N
6/L3	N/A	N/A	N/A	0.76	N/A	N/A	200	200	200	1	1.09	33.8	11.7	1	N
7/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	1	0.54	33.8	11.7	1	N
8/L3	N/A	N/A	N/A	0.63	N/A	N/A	200	200	200	1	0.96	33.8	11.7	1	N
9/L3	N/A	N/A	N/A	0.73	N/A	N/A	200	200	200	1	1.08	33.8	11.7	1	N
			21				-	1					1		1
										1					
						1				1					
										1					
										1			-		
										-					
										1					
										-					
													1		
										1					
ested	Ву									I		1. S. 1.			
Signa	ture	and the state of the		Chap				Position		Test Er	ngineer				
				and the second	PERCENTION AND INCOMENTATION		Encoline and			- www.hast					100

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# **Observations** - section K

#### Site Hawkesbury Hospital Hall ORIGIN 1.0-Badly Terminated and supported cabling to DB2 & DB2A **C2** 2.0- Open and exposed access to DB3 **C2** 3.0- Bad wiring practices at Distribution boards C2 4.0- Main cabling to DB3 not colour code **C2** 5.0- DB2 & DB2A Boards not fire rated **C**3 6.0- External Socket fed from DB3 Damaged due to excessive loading **C**3 7.0- Damaged and loose accessories and sockets **C3** 8.0- Damage to external light sensors causing over-ride issues F/I 9.0- Unknown cable adjacent pipework in showroom F/I 10.0- Damage locking mechanism to feeder pillar DB4 **C3** 11.0- Excessive loop reading to sub mains to DB2, Stage and DB4 **C2** 12.0- Stage M.C.B feeding 2 single supplies - unit triple poled **C3** 13.0- Unknown sub circuit DB2A cct 1 **F/I** 14.0- Existing distribution boards not IP rated **C3** 15.0- Lighting cabling jointed and not fixed behind main switch **C3** 16.0- Termination poorly glanded or/and not fixed **C3** 17.0- Loose cabling to rear external light, wired off local circuit **C3** 18.0- Incorrect sized overcurrent devices at DB3 **C3**

# Hawkesbury Hospital Hall

# Recommendations

Reference GL000000120

Origin

- 1.0- Strip out and replace DB2 & DB2, allow for fire rated requirements and rewire back to new devices with residual current protection.
- 2.0- Install correct cable glands and bushes
- 3.0- Tidy wiring in DB1 and DB3 using supports, din rail and enclosures
- 4.0- Disconnect incomer and denote phases, neutral and earthing
- 5.0- As item 1.0
- 6.0- Replace external IP rated socket and rewire back to DB3
- 7.0- Replace all damage sockets in Hall area
- 8.0- Rewire via over ride facility, time clock. contactor and photo cell control
- 9.0- Further investigation required
- 10.0- Replace damage locking mechanism
- 11.0- Remove sub-standard Over current devices and de-rate as necessary
- 12.0- Install separate devices as necessary
- 13.0- Remove unknown circuit from board
- 14.0- As item 1.0
- 15.0- Strip out main hall switch and enclose all connections within deep back box
- 16.0- Replace open trunking to DB2 position and as item 1.0
- 17.0- Re-fix loose cabling along wall section
- 18.0- Install correct devices to DB3



ITEM 2.0/4.0/18.0



**ITEM 4.0** 



ITEM 6.0



ITEM 7.0



ITEM 7.0



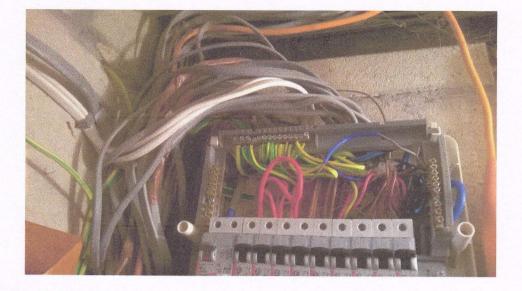
ITEM 8.0



ITEM 1.0/2.0/3.0/5.0/13.0



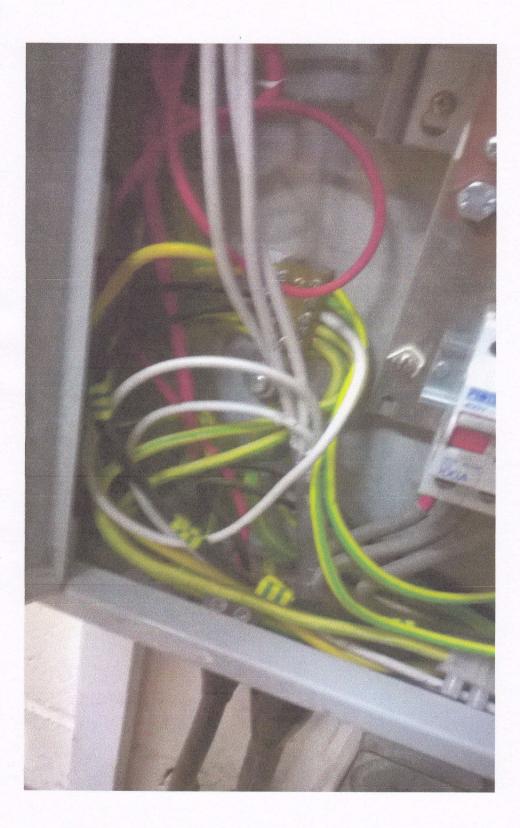
ITEM 3.0



ITEM 1.0/2.0/3.0/5.0/17.0



ITEM 16.0/17.0



ITEM 4.0

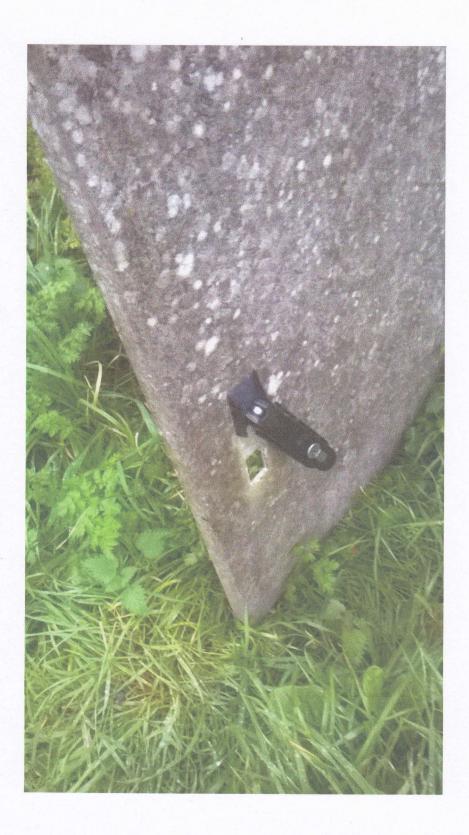




ITEMS - 2.0/3.0/16.0



ITEM 9.0



ITEM 10.0

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N/A

Client Name	Hawkesbury Hospital Hall		Circuit Chart Board - DB 1	<b>Char</b> <b>DB</b>	Name	Village Hall						GLENROY	APPROVED
ooard	Hawkesbury Hospital Hall Side elevation Main Hall		Ins	stallation Na pplied from	ame	Village Hall Main Supply		Non	ırd Pha ninal V	'hase(s) I Voltage	Three Phase 400 V	Phase	
<b>Overcurrent Device</b>	N/A		Rat	ating	N/A								
RCD Device	N/A		Rat	iting	N/A			RCI	RCD No Of Poles	<b>Poles</b>	N/A		
		Wieing		NID OF	Circuit Co	Circuit Conductor CSA	01	Overcurrent Protective Device	rotectiv	e Devic	e		
Way Phase (	Circuit Name	type	type Method	points served	Live	cpc	permitted by BS 7671	BS(EN)	Type No	Rating	Short Circuit Capacity	RCD Operating Current	Maximum Zs permitted by BS7671
					(mm∠)	(mm²)	(s)			(A)	(KA)	(mA)	(Q)
1 TP Stage supply		0	· 89		16	16	0.4	60898 MCB	C	භි	10	N/A	0.35
5		т	D	1	6	2.5	0.4	60898 MCB	в	16	10	N/A	2.73
2 L3 Sub Mains(DB 2)		A	в	2	16	10	0.4	60898 MCB	c	ස	10	N/A	0.35
3 TP Sub Mains(DB 3)		F	в	1	10	10	0.4	60898 MCB	0	50	10	N/A	0.44
4 L1 External sockets front	front	т	C	2	4	4	0.4	61009 RCD/RCBO	c	16	10	30	1.37
ū	H/L	т	c	2	4	4	0.4	61009 RCD/RCBO	C	20	10	30	1.09
4 L3 Sub Mains(DB 4)		-	D	4	16	16	0.4	60898 MCB	С	40	10	N/A	0.55
Comments on report													

16	5	14	13	12	11	10	9	8	7	6	ഗ	4	ŝ	N		2						
																Vay Ph		CD D	verc	ocati	Client Name	
ה ד																se		<b>CD</b> Device	urren	on of	Nam	
Fire alarm supply	Bar/store/stage RHS lights	Mini spots wall mounted	SPARE	Side spot lights Hall	SPARE	SPARE	SPARE	SPARE	Immersion Heater	Main hall EM lights RHS	Main hall EM lights LHS	Prep area sockets	SPARE	Hall high level lights RHS	Hall high level lights LHS				vercurrent Device	ocation of board	ē	
	ths lights	ounted		all					Υ <b>Γ</b>	ts RHS	nts LHS	S		hts RHS	hts LHS	Circuit Name		N/A	60898 MCB	Main Hall Facing	Hawkesbury Hospital Hall	
I	A	A	1	A	1	ı	1	1	A	A	A	A	T	A	A	type	Wiring					B C
C	C	C	T.	C	r	1	1	ı	С	С	С	c	1	c	C		Reference	2	~	S	F	rcuit oard
н	17	8	ı	2	1		1	•	1	8	6	2	1	4	4		≥ No of	ating	ating	Supplied from	Installation Name	uit Chart rd - DB 2
2.5	1	2.5	1	н	1	ı	1	1	2.5	1.5	1.5	2.5	1	6	6	Live (mm <sup>2</sup> )	Circuit Con	N/A mA	63 A			νŦ
2.5	1	1	1	1	1	1	1	1	1	н	<u>1</u>	H	1	2.5	2.5	cpc (mm <sup>2</sup> )	Circuit Conductor CSA			2/L3 DB 1	Village Hall	
0.4	0.4	0.4	1	0.4	1	1	•	•	0.4	0.4	0.4	0.4		0.4	0.4		Maximum					
60898 MCB	60898 MCB	60898 MCB	•	60898 MCB	1		•	•	60898 MCB	60898 MCB	60898 MCB	60898 MCB	1	60898 MCB	60898 MCB	BS(EN)	Overcurrent Protective Device	8		8	8	
8	в	B	1	в	1	1	1	1	в	œ	в	B	1	в	в	Type No	Protectiv	RCD No Of Poles		minal V	Board Pha	
20	10	6	1	6	1	1	1	•	16	6	6	16	1	32	32	Rating (A)	e Device	<b>F</b> Poles		inal Voltage	Phase(s)	
10	10	10	1	10	1	•	1	ı	10	10	10	10	•	10	10	Short Circuit Capacity (kA)		N/A		230 V	ធ	
N/A	N/A	N/A		N/A	T	1	I		N/A	N/A	N/A	N/A	1	N/A	N/A	RCD Operating Current (mA)						GLENROY
2.19	4.37	7.28	-	7.28	I	I	I	1	2.73	7.28	7.28	2.73	1	1.37	1.37	Maximum Zs permitted by BS7671 (Ω)						APPROVED

**Circuit Chart** 

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			rcuit Ch ard - D	Circuit Chart Board - DB 2,								GLENROY M	
nt Name	Hawkesbury Hospital Hall		Ins	Installation Name		Village Hall		B	Board Phase(s)	se(s)	Ξ.		
ation of board	Main Hall facing		Sub	upplied from		Not Connected	ğ	8	Vominal Voltage	oltage	230 V		
rcurrent Device	N/A		Rat	ting	N/A								
Device	N/A		Rat	lating	N/A			R	RCD No Of Poles	<b>Poles</b>	N/A		6
Phase	Circuit Name	Wiring Re type	Reference Method	No of points served	Circuit Conductor CSA Live cpc		Maximum Disconnection time permitted by	Overcurrent Protective Device BS(EN)	Protectiv Type No	re Device	Short Circuit	RCD Operating	Maximum Zs permitted by
					(mm <sup>2</sup> )	(mm <sup>2</sup> )	(s)			(A)	(KA)	(mA)	( <u>ନ</u> )
		A						n service and a service of the servi					
	s nachata	> >	<b>5</b> 00	5 18	2.5	<b>.</b> ј	0.4	60898 MCB	в	32	10	30	1.37
L3 Door access/bar sockets	r sockets	D D	ωα	ವ ಕ	2.5		0.4	60898 MCB		32	10	38	1.37
	ge sockets	A	в	17	2.5	H I	0.4	60898 MCB	ω.	32 32	10	30 20	1.37
L3 First floor lights L3 External building lights	î n linhte	• •		רט ת	- 15	4 J.	0.4	60898 MCB	o a	6	10	30	7.28
		A :	ω,	7	<b>⊢</b> ,	<b>⊢</b> → ,	0.4	60898 MCB		סת	10 10	ა ი	87.7
L3 WC/Kit/entrance lights	e lights	A	B	11	н	Ц	0.4	60898 MCB	Β.	<u></u> б (	10	30	7.28

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4	ω	2	2	2	1	щ	ц		Way		R	Ŷ	5	0
TP	TP	ដ	2J	Ц	ជ	IJ	L		Phase		<b>RCD Device</b>	ercuri	ation	<b>Client Name</b>
SPARE	SPARE	Kitchen/wc/shower lights	SPARE	External sockets	Hand dryer supplies	SPARE	Cooker supply		B		ice	vercurrent Device	ocation of board	ame
		ver lights			olies				Circuit Name		N/A	60898 MCB	Kitchen annexe	Hawkesbury Hospital Hall
ı	•	A	I	A	A	-	A		type					
•	I	в	ł	в	в	1	в		Method		Rat	Rat	Sui	Ins
1	•	13	1	2	ω	1	н		points		Rating	ting	plied from	tallation Name
1	•	1.5	1	2.5	6	1	10	(mm²)	Live	Circuit Cor	N/A mA	50 A		
1	,	1	ı	L	2.5	1	4	(mm²)	cpc	Circuit Conductor CSA			3/TP DB 1	Village Hall
•	,	0.4	1	0.4	0.4	•	0.4	BS 7671 (5)		And in case of the local division of the loc				
•	I	60898 MCB	•	60898 MCB	60898 MCB		60898 MCB		BS(EN)	Overcurrent Protective Device	R		2	B
1		0	•	C	c	1	C	į	Туре	Protectiv	<b>RCD No Of Poles</b>		minal V	oard Phase(s)
1	1	10	1	20	20	r	50	À	Rating	e Device	Poles		Voltage	se(s)
1	1	10	•	10	10	ı	10	Capacity (kA)	Short		N/A		400 V	Three Phase
ı	1	N/A	1	N/A	N/A	1	N/A	Current (mA)	RCD					Phase
I	1	2.19	ł	1.09	1.09	•	0.44	BS7671 (Ω)	Maximum Zs					

Circuit Chart Board - DB 3

ធ	2 L3 Socket Cluster 2 3 L3 Socket Cluster 3	ធ	Way Phase Circuit Name	RCD Device 4293 RCD	Overcurrent Device 60898 MCB	Location of board Feeder Pillar - Field	Client Name Hawkesbury Hospital Hall	
0	0 0	0	Wiring F type					Bo Ci
C	ററ	0	Reference Method	Ra	Rat	Sul	Ins	cuit ard -
1	┝┙┝┙	1	No of points served	Rating	lating	<b>Supplied from</b>	Installation Name	Circuit Chart Board - DB 4
2.5	2.5	2.5	Circuit Cc Live (mm <sup>2</sup> )	30 mA	40 A	Ĭ	Name	
2.5	2.5	2.5	Circuit Conductor CSA Live cpc (mm <sup>2</sup> ) (mm <sup>2</sup> )			4/L3 DB 1	Village Hall	
0.4	0.4 0,4	0,4	Maximum Disconnection time permitted by BS 7671 (s)					
60898 MCB	60898 MCB	60898 MCB	Overcurrent Protective Device BS(EN) Type Rating (A)	RC		No	Boa	
C	ი ი	0	Protective Type No	RCD No Of Poles		<b>Nominal Voltage</b>	Board Phase(s)	
16	16 16	16	ve Device Rating (A)	Poles		ltage	e(s)	
10	10	10	Short Circuit Capacity (kA)	N/A		230 V	L3	
30	30	30	RCD Operating Current (mA)					GLENROY
1667	1667 1667	1667	Maximum Zs permitted by BS7671 (Ω)					CONTRACTOR

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