



Date 15/03/2024



Certificate Serial No/Ref:

CJ24-WWBC

CJ Electric

Electrical Installation Certificate



DETAILS OF THE CLIENT		ADDRESS OF THE INSTALLATION	
Client and address	West Wickham Bowls Club Silver Lane West Wickham	Installation address	WWBC, Silver Lane West Wickham
	Postcode: BR4 0RX		Postcode: BR4 0RX
DETAILS OF THE INSTALLATION			The Installation Is
Extent of the installation work covered by this certificate	EICR Remedial Works, which includes the replacement of the old Plastic DBs.		New <input type="checkbox"/> N/A An addition <input checked="" type="checkbox"/> An alteration <input checked="" type="checkbox"/>
DESIGN, CONSTRUCTION, INSPECTION AND TESTING		* BS 7671 amended to : 2022	
<p>I being the person/s responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature) particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing hereby Certify that the design, construction, inspection and testing work for which I/we have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: amended to* except for the departures, if any, detailed as follows:</p> <p>Details of departures from BS 7671: as amended (Regulations 120.3 & 133.5)</p> <p>Not all wiring is supported via Non-combustible supports.</p>		<p>The extent of liability of the signatory/signatories is limited to work described above as the subject of this certificate. For the DESIGN, CONSTRUCTION, INSPECTION & TESTING of the installation.</p> <p>Signature  Name (Capitals) CHRIS JAMES Date 15/03/2024</p> <p>The results of the inspection and testing reviewed by</p> <p>Signature  Name (Capitals) CHRISTIAN JAMES Date 15/03/2024</p>	
PARTICULARS OF THE CONTRACTOR		NEXT INSPECTION	
Trading title	CJ Electric	* Interval in terms of years, months, or weeks, as appropriate	
67 Bloomfield Road Bromley	Email ChristianJ@Engineer.com	I RECOMMEND that this installation is further inspected and tested after an interval of not more than * 5 Years	
	Web CJElectric.uk	COMMENTS ON EXISTING INSTALLATION	
Telephone No 0208 289 9260	Postcode BR2 9RY	Additional information and report notes	
Registration No: 28131 (if applicable)	Branch No: N/A (if applicable)	Remedial Works completed: Replaced all non-compliant DBs & Installed Emergency Lighting (inc test switches).	
		SCHEDULE OF ADDITIONAL RECORDS	
		See attached schedule	
		Risk assessment attached	
		N/A	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS					Nature of Supply Parameters					*Characteristics of Primary Supply							
System		Number and Type of Live Conductors			(1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, the higher or highest values					*Other sources of supply to be detailed on attached schedules							
TN-S	✓	1-phase (2 wire)	✓	1-phase (3 wire)	N/A	Nominal Voltage U (1)	230	V	Nominal frequency f (1)	50	Hz	BS(EN)	BS 1361 Fuse HBC				
TN-C-S	N/A	2-phase (3 wire)	N/A	3-phase (4 wire)	N/A	AC or DC	A/C	Uo (1)	240	V	External earth fault loop impedance Ze (2/3)	Type	Type 2				
TT	N/A	other	N/A			Single-phase	Prospective fault current (2/3)	.84	kA	3-phase	Prospective fault current (2/3)	Rated current	100	A	Short-circuit capacity	33	kA
* Other	N/A																

PARTICULARS OF INSTALLATION AT THE ORIGIN					Main Switch/Switch-Fuse/Circuit-Breaker/RCD																	
Means of earthing		Details of installation Earth Electrode (where applicable)			Measured Ze					.30					Ω							
Distributor's facility	✓	Type: (e.g rod(s), tape, etc)	N/A		Method of measurement:	N/A		Maximum demand: (load)	59		Amps		Type BS(EN)	BS EN 60947-3 Isolator		Voltage rating	230		V			
Installation earth electrode	N/A	Electrode resistance to Earth	N/A		Location:	N/A		Number of smoke alarms	0		Protective measures for fault protection	ADS		No of poles	2		Rated Current	100		A		
Earthing conductor					Main protective bonding conductors and bonding of extraneous conductive parts (√)																	
Conductor material:	Copper				Conductor material	Copper		Conductor csa	10		Location: (where not obvious)	By Kitchen Doorway (Water)			Supply conductor material	Copper		*RCD operating current IΔn	N/A		mA	
Conductor csa:	16	mm ²	Continuity check	✓	Gas installation pipes	✓	Water installation pipes	✓	Oil installation pipes	N/A	Structural steel	N/A	To other Specify	N/A	Supply conductor csa	25	mm ²	*RCD rated time delay	N/A		ms	
															*RCD operating time (at IΔn)		N/A		ms			
															* If RCD main switch							

SCHEDULE OF INSPECTIONS											
✓ Indicates satisfactory inspection, N/A indicates the inspection is not applicable											
Item No	DESCRIPTION			OUTCOME		Item No	DESCRIPTION			OUTCOME	
1.0	Condition of consumer's intake equipment (Visual inspection only)			✓		8.0	Circuits (Distribution and Final)			✓	
2.0	Parallel or switched alternative sources of supply			N/A		9.0	Isolation and switching			✓	
3.0	Protective measure: Automatic Disconnection of Supply (ADS)			✓		10.0	Current-using equipment (permanently connected)			✓	
4.0	Basic protection			✓		11.0	Identification and notices			✓	
5.0	Protective measures other than ADS			N/A		12.0	Location(s) containing a bath or shower			N/A	
6.0	Additional protection			✓		13.0	Other special installations or locations			N/A	
7.0	Distribution equipment			✓		14.0	Prosumer's low voltage electrical installation(s)			N/A	

CODES FOR TYPES OF WIRING						
A	B	C	D	E	F	G
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic SWA cables	Thermosetting SWA cables

TEST INSTRUMENT(S) USED			
Earth fault loop impedance	N/A	Insulation resistance	N/A
Continuity	N/A	RCD	N/A
MFT	222950	Other	N/A

Details of circuits and/or installed equipment vulnerable to damage when testing and/or remarks:

Testing Notes:

- All results correct at time of test.
- Dead Test results sampled from previous EICR (where applicable).
- Insulation Resistance Tested L+N to CPC on circuits with vulnerable Equipment.
- Insulation Resistance not Tested on SPD Circuits.
- Zs Values Calculated.

DISTRIBUTION BOARD DETAILS FOR WWBC, Silver Lane West Wickham BR4 0RX

DB ref:	DB1	Zs at this board (Ω):	.28	lpf at this board (kA):	.88	Main switch type BSEN	60947-3 Isolator	Rating:	100	A	SPD Type(s)	T2	Supply	16	mm ²	Earth:	6	mm ²
Distribution board location:	Main Hall	Phase Sequence Confirmed (where appropriate)	N/A	Supplied from:	Intake DB	No. Of phases:	Single	Supply protective device type BSEN reference:	BS EN 60898 MCB Type B	Rating:	50	Amps						

CIRCUIT DETAILS TEST RESULTS

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance				Polarity	Maximum measured Zs Ω	RCD		AFDD	
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)			Neutral - Earth (MΩ)	Disconnection time (ms)		Test button/functionality
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂										

1	SPD Supply	D	B	1	6	6	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.00	500v	N/A	N/A	N/A	N/A	✓	.28	N/A	N/A	N/A	
2	Dishwasher	A	C	1	6.0	2.5	0.4	61009	B	32	6	1.10	61009	A	30	32	N/A	N/A	N/A	.18	N/A	500v	N/A	N/V	500	500	✓	0.46	29.2	✓	N/A	
3	Kitchen Sockets	A	C	15	2.5	1.5	0.4	61009	B	32	6	1.10	61009	A	30	32	.42	.40	.82	.42	N/A	500v	N/A	N/V	500	500	✓	0.70	38.8	✓	N/A	
4	Main Hall Sockets	A	C	9	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	N/A	N/A	N/A	.60	N/A	500v	N/A	N/V	18	18	✓	0.88	29.6	✓	N/A	
5	Outside Awning Sockets	A	C	2	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.18	N/A	500v	N/A	N/V	225	225	✓	0.46	35.6	✓	N/A	
6	Shed Supply	A	C	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.68	N/A	500v	N/A	N/V	20	20	✓	0.96	30.8	✓	N/A	
7	Kitchen Lights	A	C	6	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.52	N/A	500v	N/A	N/V	1000	1000	✓	0.80	39.2	✓	N/A	
8	Bar & noticeboard spotlights	A	C	8	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.86	N/A	500v	N/A	N/V	15	15	✓	1.14	27.2	✓	N/A	
9	Main Hall Lights & Ceiling Fan	A	C	12	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.82	N/A	500v	N/A	N/V	200	200	✓	1.10	39.6	✓	N/A	

Not all SPDs have visible functionality indication. RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{an}). Not all AFDDs have a test button



DISTRIBUTION BOARD DETAILS FOR WWBC, Silver Lane West Wickham BR4 0RX

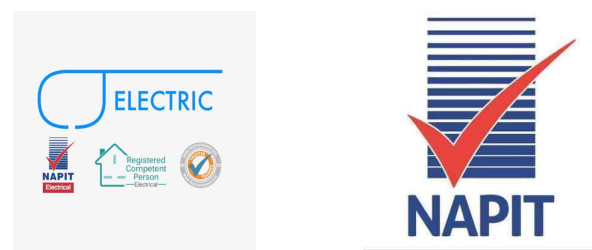
DB ref:	DB2	Zs at this board (Ω):	.39	lpf at this board (kA):	.63	Main switch type BSEN	60947-3 Isolator	Rating:	100	A	SPD Type(s)	T2	Supply	6	mm ²	Earth:	2.5	mm ²
Distribution board location:	Main Entrance Lobby	Phase Sequence Confirmed (where appropriate)	N/A	Supplied from:	Intake DB - Circuit 4	No. Of phases:	Single	Supply protective device type BSEN reference:	BS EN 60898 MCB Type B	Rating:	32	Amps						

CIRCUIT DETAILS TEST RESULTS

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance				Polarity	Maximum measured Zs Ω	RCD		AFDD	
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)			Neutral - Earth (MΩ)	Disconnection time (ms)		Test button/functionality
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂										

1	SPD Supply	D	B	1	6	6	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.00	500v	N/A	N/A	N/A	N/A	✓	.30	N/A	N/A	N/A			
2	Water Heater supply	A	C	1	2.5	1.5	0.4	61009	B	32	6	1.10	61009	A	30	32	.05	.05	.18	.04	N/A	500v	N/A	N/V	>2000	>2000	✓	.43	39.2	✓	N/A			
3	Toilet Heaters	A	C	4	2.5	1.5	0.4	61009	B	32	6	1.10	61009	A	30	32	.05	.05	.19	.05	N/A	500v	N/A	N/V	>2000	>2000	✓	.44	28.8	✓	N/A			
4	Entrance & WC Lighting	A	C	14	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.53	N/A	500v	N/A	N/V	1100	1100	✓	.92	39.2	✓	N/A			

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DISTRIBUTION BOARD DETAILS FOR WWBC, Silver Lane West Wickham BR4 0RX																											
DB ref:	DB3	Zs at this board (Ω):	.44	lpf at this board (kA):	.56	Main switch type BSEN	60947-3 Isolator	Rating:	100	A	SPD Type(s)	T2	Supply	6	mm ²	Earth:	2.5	mm ²									
Distribution board location:	Bar Store	Phase Sequence Confirmed (where appropriate)	N/A	Supplied from:	DB4 - Circuit 2	No. Of phases:	Single	Supply protective device type BSEN reference:	BS EN 60898 MCB Type B	Rating:	32	Amps															
CIRCUIT DETAILS														TEST RESULTS													

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance				Polarity	Maximum measured Zs Ω	RCD		AFDD	
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)			Neutral - Earth (MΩ)	Disconnection time (ms)		Test button/functionality
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂										

1	SPD Supply	D	B	1	6	6	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.00	500v	N/A	N/A	N/A	N/A	✓	.44	N/A	N/A	N/A		
2	Bar Sockets (rear)	A	B	3	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.41	N/A	500v	N/A	N/V	>2000	>2000	✓	.85	40.4	✓	N/A		
3	Bar Store Sockets (rear)	A	B	3	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.55	N/A	500v	N/A	N/V	650	650	✓	.99	57.2	✓	N/A		
4	AC Supply	A	B	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.15	N/A	500v	N/A	N/V	50	50	✓	.59	40.0	✓	N/A		
5	Dishwasher Supply	A	B	2	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.10	N/A	500v	N/A	N/V	>2000	>2000	✓	.54	29.2	✓	N/A		
6	Bar Sockets (front)	A	C	3	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.42	N/A	500v	N/A	N/V	>2000	>2000	✓	.86	29.2	✓	N/A		
7	Beer 'chiller' socket	A	B	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.18	N/A	500v	N/A	>2000	>2000	>2000	✓	.62	29.2	✓	N/A		
8	Bar Store & Ladies WC Lights	A	B	5	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.55	N/A	500v	N/A	N/V	>2000	>2000	✓	.99	29.2	✓	N/A		

Not all SPDs have visible functionality indication. RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{an}). Not all AFDDs have a test button



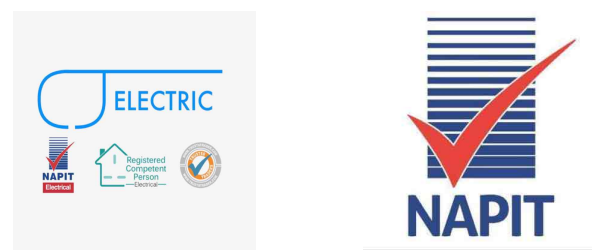
CJ Electric 67 Bloomfield Road Bromley BR2 9RY

DISTRIBUTION BOARD DETAILS FOR WWBC, Silver Lane West Wickham BR4 0RX																											
DB ref:	DB4	Zs at this board (Ω):	.39	lpf at this board (kA):	.63	Main switch type	BSEN	60947-3 Isolator	Rating:	100	A	SPD Type(s)	T2	Supply	10	mm ²	Earth:	4	mm ²								
Distribution board location:	Changing Room Lobby	Phase Sequence Confirmed (where appropriate)	N/A	Supplied from:	Intake DB - Circuit 2	No. Of phases:	Single	Supply protective device type	BS EN 60898 MCB Type B	BSEN reference:	Rating:	50	Amps														
CIRCUIT DETAILS														TEST RESULTS													

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance				Polarity	Maximum measured Zs Ω	RCD		AFDD	
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)			Neutral - Earth (MΩ)	Disconnection time (ms)		Test button/functionality
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂										

1	SPD Supply	D	B	1	6	6	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.00	500v	N/A	N/A	N/A	N/A	✓	.39	N/A	N/A	N/A		
2	DB3 Supply	A	C	1	6	2.5	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.05	N/A	500	N/A	>2000	>2000	>2000	✓	0.44	N/A	N/A	N/A		
3	DB5 Supply	A	C	1	6	2.5	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	.18	N/A	500	N/A	>2000	>2000	>2000	✓	0.55	N/A	N/A	N/A			
4	Gent's changing room sockets	A	C	3	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	.15	.15	.68	.52	N/A	500v	N/A	N/V	200	200	✓	0.91	39.6	✓	N/A		
5	Gents changing room FCU	A	C	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.08	N/A	500	N/A	N/V	>2000	>2000	✓	.47	29.6	✓	N/A		
6	Ladies changing room sockets	A	C	2	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.31	N/A	500	N/A	N/V	1500	1500	✓	.70	29.6	✓	N/A		
7	Ladies changing room FCU	A	C	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.11	N/A	500v	N/A	N/V	>2000	>2000	✓	.50	29.6	✓	N/A		
8	Gents changing room & main Hall Lights	A	C	8	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.56	N/A	500v	N/A	N/V	275	275	✓	.95	40.0	✓	N/A		
9	Ladies changing room Lights	A	C	4	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.32	N/A	500v	N/A	N/V	400	400	✓	0.71	30.8	✓	N/A		
10	Loft Lights	A	C	6	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.65	N/A	500v	N/A	N/V	>2000	>2000	✓	1.04	31.6	✓	N/A		
11	Outside Lights	A	C	12	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	2.42	N/A	500v	N/A	N/V	135	135	✓	2.81	39.2	✓	N/A		

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DISTRIBUTION BOARD DETAILS FOR WWBC, Silver Lane West Wickham BR4 0RX																											
DB ref:	DB5	Zs at this board (Ω):	.55	lpf at this board (kA):	.44	Main switch type	BSEN	60947-3 Isolator	Rating:	100	A	SPD Type(s)	T2	Supply	6	mm ²	Earth:	2.5	mm ²								
Distribution board location:	Visitors changing room	Phase Sequence Confirmed (where appropriate)	N/A	Supplied from:	DB4 - Circuit 3	No. Of phases:	Single	Supply protective device type	BSEN reference:	BS EN 60898 MCB Type B	Rating:	32	Amps														
CIRCUIT DETAILS														TEST RESULTS													

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance					Polarity	Maximum measured Zs Ω	RCD		AFDD
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)	Neutral - Earth (MΩ)			Disconnection time (ms)	Test button/functionality	
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂										

1	Socket	A	C	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.10	N/A	500v	N/A	>2000	>2000	>2000	✓	.65	29.6	✓	N/A					
2	Lights	A	C	6	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.55	N/A	500v	N/A	N/V	200	200	✓	1.10	29.2	✓	N/A					

Not all SPDs have visible functionality indication. RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{an}). Not all AFDDs have a test button



DISTRIBUTION BOARD DETAILS FOR WWBC, Silver Lane West Wickham BR4 0RX																											
DB ref:	DB6	Zs at this board (Ω):	.39	lpf at this board (kA):	.63	Main switch type BSEN	60947-3 Isolator	Rating:	100	A	SPD Type(s)	T2	Supply	10	mm ²	Earth:	4	mm ²									
Distribution board location:	Machine Shop	Phase Sequence Confirmed (where appropriate)	N/A	Supplied from:	Intake DB - Circuit 3	No. Of phases:	Single	Supply protective device type BSEN reference:	BS EN 60898 MCB Type B	Rating:	50	Amps															
CIRCUIT DETAILS														TEST RESULTS													

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance					Polarity	Maximum measured Zs Ω	RCD		AFDD
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)	Neutral - Earth (MΩ)			Disconnection time (ms)	Test button/functionality	
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂										

1	SPD Supply	D	B	1	6	6	0.4	60898	B	32	6	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.00	500v	N/A	N/A	N/A	N/A	✓	.39	N/A	N/A	N/A		
2	Irrigation supply	A	C	1	2.5	1.5	0.4	61009	B	32	6	1.10	61009	A	30	32	N/A	N/A	N/A	.00	N/A	500v	N/A	Lim	28	28	✓	.39	28.8	✓	N/A		
3	Machine Shop Sockets	A	C	3	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.55	N/A	500v	N/A	Lim	600	600	✓	.99	28.8	✓	N/A		
4	Socket under DB	A	C	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.15	N/A	500v	N/A	Lim	>2000	>2000	✓	.54	29.6	✓	N/A		
5	External Socket	SWA	C	1	6	6	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	.60	N/A	500v	N/A	N/V	15	20	✓	.99	29.6	✓	N/A		
6	Machine Shop Lights	A	C	4	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	.85	N/A	500v	N/A	Lim	1200	1200	✓	1.24	30.4	✓	N/A		

Not all SPDs have visible functionality indication. RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{an}). Not all AFDDs have a test button



NOTES FOR RECIPIENT

THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.

This Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of BS 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this Certificate, together with schedules, is included in the project health and safety documentation. For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a skilled person or persons, competent in such work. The maximum time interval recommended before the next inspection is stated on Page 1 under 'NEXT INSPECTION'.

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation. It should not have been issued for the inspection and testing of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such an inspection.

This Certificate is only valid if the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by Schedule(s) of Circuit Details and Test Results. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed. Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.