

Circuits/equipment vulnerable to damage when testing: N/A

Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS								Circuits/equipment vulnerable to damage when testing: N/A																			
CODES For Type of wiring		(A) Thermoplastic insulated / sheathed cables		(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit		(D) Thermoplastic cables in metallic trunking		(E) Thermoplastic cables in non-metallic trunking		(F) Thermoplastic / SWA cables		(G) Thermosetting / SWA cables		(H) Mineral-insulated cables		(O) other - state		N/A							
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD		Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Zs (Ω)	RCD operating time (ms)	Test buttons		
					Live (mm²)	cpc (mm²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, IΔn (mA)	Maximum permitted Zs for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)						
														(Line) r1	(Neutral) rn	(cpc) r2	(R1+R2)	R2									
L2	Snape 24 hour mcb board supply Db 10	F	E	1	25	SWA	5	60947-2 MCCB	2	100	35	-	0.24	—	-	-	0.03	-	999	999	500	✓	0.12	-			
L1	Friston db 4-5	F	E	1	35	16	5	60947-2 MCCB	2	112	35	-	0.15	-	-	-	0.02	-	999	999	500	✓	0.05	-			
L2	Friston db 4-5	F	E	1	35	16	5	60947-2 MCCB	2	112	35	-	0.15	-	-	-	0.02	-	999	999	500	✓	0.05	-			
L3	Friston db 4-5	F	E	1	35	16	5	60947-2 MCCB	2	112	35	-	0.15	-	-	-	0.02	-	999	999	500	✓	0.05	-			
L1	Yoxford db 6-7	F	E	1	35	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.02	-	999	999	500	✓	0.11	-			
L2	Yoxford db 6-7	F	E	1	35	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.02	-	999	999	500	✓	0.11	-			
L3	Yoxford db 6-7	F	E	1	35	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.02	-	999	999	500	✓	0.11	-			
L1	DB2	A	B	1	35	16	5	60947-2 MCCB	2	160	35	-	0.15	-	-	-	0.01	-	999	999	500	✓	0.05	-			
L2	DB2	A	B	1	35	16	5	60947-2 MCCB	2	160	35	-	0.15	-	-	-	0.01	-	999	999	500	✓	0.05	-			
L3	DB2	A	B	1	35	16	5	60947-2 MCCB	2	160	35	-	0.15	-	-	-	0.01	-	999	999	500	✓	0.05	-			
L1	DB3	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.15	-	-	-	0.09	-	999	999	500	✓	0.15	-			
L2	DB3	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.15	-	-	-	0.09	-	999	999	500	✓	0.15	-			
L3	DB3	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.15	-	-	-	0.09	-	999	999	500	✓	0.15	-			
L1	DB8	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.03	-	999	999	500	✓	0.09	-			
L2	DB8	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.03	-	999	999	500	✓	0.09	-			
L3	DB8	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.03	-	999	999	500	✓	0.09	-			
L1	DB9	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.03	-	999	999	500	✓	0.09	-			
L2	DB9	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.03	-	999	999	500	✓	0.09	-			
L3	DB9	A	B	1	25	16	5	60947-2 MCCB	2	100	35	-	0.24	-	-	-	0.03	-	999	999	500	✓	0.09	-			


DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB-1
Location of DB: Plant room

TESTED BY

Name (capitals): MR STEPHEN VALE

Position: Foreman

Signature: 

Date: 21/01/2020

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from: (Rec) Nominal voltage: (400) V No. of phases: (3)

Overcurrent protection device for the distribution circuit Type: (BS EN BS 88 Fuse HRC gG(General)) Rating: (400) A

Associated RCD (if any) Type: (BS EN N/A) No. of poles: (N/A) I_{Δn} (N/A) mA Operating time: (N/A) ms

Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): True Z_s (N/A) Ω Z_f (N/A) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (1008-128/101536437) Continuity: (N/A)
Insulation resistance: (N/A) Earth fault loop impedance: (N/A)
Earth electrode resistance: (N/A) RCD: (N/A)

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: N/A

CODES For Type of wiring		(A) Thermoplastic insulated / sheathed cables			(B) Thermoplastic cables in metallic conduit			(C) Thermoplastic cables in non-metallic conduit			(D) Thermoplastic cables in metallic trunking			(E) Thermoplastic cables in non-metallic trunking			(F) Thermoplastic / SWA cables			(G) Thermosetting / SWA cables			(H) Mineral-insulated cables			(I) other - state			N/A		
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device				RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons						
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)				RCD	AFDD					
														(Line) r ₁	(Neutral) r _n	(cpc) r ₂	(R ₁ +R ₂)	R ₂													
L1	DB11 Snape contactor DB	F	E	1	35	SWA 5	60947-2 MCCB	2	112	35	-	0.15	-	-	-	0.03	-	999	999	500	✓	0.12	-	-	-	-	-				
L2	DB11 Snape contactor DB	F	E	1	35	SWA 5	60947-2 MCCB	2	112	35	-	0.15	-	-	-	0.03	-	999	999	500	✓	0.12	-	-	-	-	-				
L3	DB11 Snape contactor DB	F	E	1	35	SWA 5	60947-2 MCCB	2	112	35	-	0.15	-	-	-	0.03	-	999	999	500	✓	0.12	-	-	-	-	-				


DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB-1
Location of DB: Plant room

TESTED BY

Name (capitals): MR STEPHEN VALE

Position: Foreman

Signature: 

Date: 21/01/2020

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from: (Rec.....) Nominal voltage: (400.....) V No. of phases: (3.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS 88 Fuse HRC gG(General).....) Rating: (400.....) A

Associated RCD (if any) Type: (BS EN N/A.....) No. of poles: (N/A.....) I_{Δn} (N/A.....) mA Operating time: (N/A.....) ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): True Z_s (N/A.....) Ω Z_{pf} (N/A.....) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (1008-128/101536437.....) Continuity: (N/A.....)
Insulation resistance: (N/A.....) Earth fault loop impedance: (N/A.....)
Earth electrode resistance: (N/A.....) RCD: (N/A.....)

CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORT

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SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: N/A

CODES For Type of wiring		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state N/A																
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
					Live (mm²)	cpc (mm²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)				RCD	AFDD
														(Line) r ₁	(Neutral) r _n	(cpc) r ₂	(R ₁ +R ₂)	R ₂								
L15-1	13 amp sockets floor box main office+ meeting room	A	A/B	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.94	0.94	1.50	0.11	-	>200	>200	500	✓	0.19	26.4	✓	
L15-2	13 amp sockets main office outer wall	A	A/B	4	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.72	0.73	1.18	0.10	-	>200	>200	500	✓	0.17	26.6	✓	
L15-3	Lights Ground floor IST store	A	A/B	10	1.5	1.0	0.4	61009 RCD/RCBO	C	10	10	30	2.19	-	-	-	0.46	-	>200	>200	500	✓	0.58	28.7	✓	
L16-1	13 amp sockets floor box's Toby office areas	A	A/B	4	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.54	0.54	0.76	0.11	-	>200	>200	500	✓	0.15	26.6	✓	
L16-2	13 amp sockets kitchen store boardroom	A	A/B	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	1.18	1.18	1.64	0.59	-	>200	>200	500	✓	0.72	26.2	✓	
L16-3	Lights main room locker room male toilet warehouse corridor	A	A/B	12	1.5	1.0	0.4	61009 RCD/RCBO	C	10	10	30	2.19	-	-	-	0.41	-	>200	>200	500	✓	0.54	28.4	✓	
L17-1	13 amp floor box's Simon office	A	A/B	6	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	1.17	1.18	1.22	0.74	-	>200	>200	500	✓	0.83	26.8	✓	
L17-2	13 amp sockets ground floor	A	A/B	26	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.36	0.35	0.51	0.46	-	>200	>200	500	✓	0.76	24.4	✓	
L17-3	Lights Ground floor kitchen + lab + corridor	A	A/B	16	1.5	1.0	0.4	61009 RCD/RCBO	C	10	10	30	2.19	-	-	-	0.54	-	>200	>200	500	✓	0.67	28.7	✓	
L18-1	Spare	-	-	-	-	-	-	60898 MCB	C	20	10	-	1.09	-	-	-	-	-	-	-	-	-	-	-	-	
L18-2	Spare	-	-	-	-	-	-	60898 MCB	C	20	10	-	1.09	-	-	-	-	-	-	-	-	-	-	-	-	
L18-3	Spare	-	-	-	-	-	-	60898 MCB	C	20	10	-	1.09	-	-	-	-	-	-	-	-	-	-	-	-	

DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB-2
Location of DB: Plant room

TESTED BY

Name (capitals): MR STEPHEN VALE

Position: Foreman

Signature: 

Date: 21/01/2020

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from: (DB1) Nominal voltage: (400) V No. of phases: (3)

Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB) Rating: (160) A

Associated RCD (if any) Type: (BS EN N/A) No. of poles: (N/A) I_{Δn} (N/A) mA Operating time: (N/A) ms

Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): True Z_s (0.05) Ω Z_{pf} (4.2) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (1008-128/101536437) Continuity: (N/A)
Insulation resistance: (N/A) Earth fault loop impedance: (N/A)
Earth electrode resistance: (N/A) RCD: (N/A)

ELECTRICAL INSTALLATION CONDITION REPORT

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PART 12 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: N/A

CODES For Type of wiring		(A) Thermoplastic insulated / sheathed cables			(B) Thermoplastic cables in metallic conduit			(C) Thermoplastic cables in non-metallic conduit			(D) Thermoplastic cables in metallic trunking		(E) Thermoplastic cables in non-metallic trunking		(F) Thermoplastic / SWA cables		(G)Thermosetting / SWA cables		(H) Mineral-insulated cables		(O) other - state N/A					
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa			Protective device				RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device* (Ω)	Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons	
					Live (mm²)	cpc (mm²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			Ring final circuits only (measured end to end)			All circuits (complete at least one column)		Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)					
														(Line) r ₁	(Neutral) r _n	(cpc) r ₂	(R ₁ +R ₂)	R ₂								
L1-1	Crane	F	E	1	4	Swa	0.4	60898 MCB	C	20	10	-	1.09	-	-	-	0.20	-	>200	>200	500	✓	0.36	-	-	-
L2-1	Crane	F	E	1	4	Swa	0.4	60898 MCB	C	20	10	-	1.09	-	-	-	0.20	-	>200	>200	500	✓	0.36	-	-	-
L3-1	Crane	F	E	1	4	Swa	0.4	60898 MCB	C	20	10	-	1.09	-	-	-	0.20	-	>200	>200	500	✓	0.36	-	-	-
L2-1	Honey	F	E	1	6	Swa	0.4	60898 MCB	C	40	10	-	0.55	-	-	-	0.37	-	>200	>200	500	✓	0.53	-	-	-
L2-2	Honey	F	E	1	6	Swa	0.4	60898 MCB	C	40	10	-	0.55	-	-	-	0.37	-	>200	>200	500	✓	0.53	-	-	-
L2-3	Honey	F	E	1	6	Swa	0.4	60898 MCB	C	40	10	-	0.55	-	-	-	0.37	-	>200	>200	500	✓	0.53	-	-	-
L3-1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L3-2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L3-3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L4-1	C Dent	F	E	1	6	Swa	0.4	60898 MCB	C	40	10	-	0.55	-	-	-	0.21	-	>200	>200	500	✓	0.33	-	-	-
L4-2	C Dent	F	E	1	6	Swa	0.4	60898 MCB	C	40	10	-	0.55	-	-	-	0.21	-	>200	>200	500	✓	0.33	-	-	-
L4-3	C Dent	F	E	1	6	Swa	0.4	60898 MCB	C	40	10	-	0.55	-	-	-	0.21	-	>200	>200	500	✓	0.33	-	-	-
L5-1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L5-2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L5-3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L6-1	Con Tech	F	E	1	10	Swa	0.4	60898 MCB	C	63	10	-	0.35	-	-	-	0.41	-	>200	>200	500	✓	0.52	-	-	-
L6-2	Con Tech	F	E	1	10	Swa	0.4	60898 MCB	C	63	10	-	0.35	-	-	-	0.41	-	>200	>200	500	✓	0.52	-	-	-
L6-3	Con Tech	F	E	1	10	Swa	0.4	60898 MCB	C	63	10	-	0.35	-	-	-	0.41	-	>200	>200	500	✓	0.52	-	-	-
L7-1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L7-2	Honey pump	F	E	1	6	Swa	0.4	60898 MCB	B	16	10	-	2.73	-	-	-	0.37	-	>200	>200	500	✓	0.47	-	-	-
L7-3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: DB-3
Location of DB: Plant room

TESTED BY

Name (capitals): MR STEPHEN VALE

Position: Foreman

Signature: 

Date: 21/01/2020

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from: (DB1) Nominal voltage: (400) V No. of phases: (3)

Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB) Rating: (1) A

Associated RCD (if any) Type: (BS EN N/A) No. of poles: (N/A) I_{Δn} (N/A) mA Operating time: (N/A) ms

Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate): ☒ Z_s (0.15) Ω Z_p (3.10) kA

TEST INSTRUMENTS

(enter serial number against each instrument used)

Multi-function: (1008-128/101536437) Continuity: (N/A)
Insulation resistance: (N/A) Earth fault loop impedance: (N/A)
Earth electrode resistance: (N/A) RCD: (N/A)