



Tower of London, Reveller

LV Schedule

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Main supply report											
Company		Harley Haddow Ltd - London						HARLEY HADDOW			
Designer		TG									
Supply details											
Description		Supply									
Supply method		User defined source/origin point Supply@138.56kVA									
Phase/Voltage		Three-phase 400/230V 50Hz									
Earthing system		TN-C-S									
Voltage drop limit		Public supply: Lighting 3%, other uses 5%									
Prospective symmetrical 3Ph fault					Prospective Ph to N fault						
Ipf (kA)		3.3333			Ipn (kA)		3.3333				
Zpf (Ω)		0.0693			Zpn (Ω)		0.0693				
p.f.		0.8			p.f.		0.8				
Prospective earth fault					Earthing arrangements						
Ief (kA)		3.3333			Earthing conductor (mm²)		-				
Ze (Ω)		0.0693			Earthing electrode resistance (Ω)		0				
p.f.		0.8			Main bonding conductor (mm²)		10				
Min/Max Fault levels											
Isc-max (kA)		3.3333		Cmax	1	Isc-min (kA)		3.3333		Cmin	1
Protection by supplier					Main protective device						
-					MCCB 3P 250A Ir=200A/36kA Adjustable Schneider Electric NSX250 F 2.2 36kA Isolator 200A						
Load calculations											
Phase		L1		L2		L3		N			
Connected load (A)		179.99		171.3		187.71		14.22			
Diversified load (A)		117.13		110.69		107.03		8.86			
Spare load (A)		0 (0%)		0 (0%)		0 (0%)		-			
Design load power calculations											
Phase		L1		L2		L3		Total			
Design load (A) (Diversified + Spare)		117.13		110.69		107.03		N:8.86			
kVA		26.96		25.47		24.63		77.06			
kW		26.96		25.47		24.63		77.06			
kVAr		0		0		0		0			
cos φ		1		1		1		1			
Main conductor		4Cx120mm² + 1x120mm² E SWA/XLPE90(70)/Cu,LSZH Length: 40m									

Circuits schedule report : Main Busbar (Existing)		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
Main Busbar (Existing)		400V AC		TP&N		Supply	
Total circuit ways		Spare load		Spare ways		Empty ways	
3Ph: 4 / 1Ph: 12		0%		3Ph: 0 , 1Ph: 0		1Ph: 0 (0%)	
Location:	Moat Level Electrical Cupboard	Mounting:	Surface	Reference No.:			
PFC (kA):	3.03	IP Rating:	IP 4X	Isolator Rating:	200		
Zs (Ω):	0.0931	Board Rating (A):	200	Fault Rating (kA):			
Incomer device	MCCB 3P 250A Ir=200A/36kA Adjustable Schneider Electric NSX250 F 2.2 36kA Isolator 200A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1,L2,L3	PB-1	4Cx95mm² + 1x50mm² E SWA/XLPE90(70)/Cu,LSZH Length: 5m			91.49
2.L1,L2,L3	ATS-Lift (Open)	5Cx6mm² (E cable core) Draka FTP120,LSZH Length: 35m	MCCB 3P 25A Ir=20A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	20	0
3.L1,L2,L3	DB.ARCHES	4Cx35mm² + 1x25mm² E SWA/XLPE90(70)/Cu,LSZH Length: 25m	Fuse 3P 100A/80kA Generic BS88 fuses	100	17.04
4.L1,L2,L3	DB.RAMP	4Cx35mm² + 1x25mm² E SWA/XLPE90(70)/Cu,LSZH Length: 25m	Fuse 3P 100A/80kA Generic BS88 fuses	100	11.2

Circuits schedule report : PB-1		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description	Voltage	Phase	From description	
PB-1	400V AC	TP&N	Main Busbar (Existing)	
Total circuit ways	Spare load	Spare ways	Empty ways	
3Ph: 9 / 1Ph: 27	0%	3Ph: 0 , 1Ph: 0	1Ph: 10 (37%)	
Location:	Reveller Main LV Cupboard	Mounting:	Surface	Reference No.:
PFC (kA):	2.99	IP Rating:	IP 4X	Isolator Rating:
Zs (Ω):	0.0974	Board Rating (A):	250	Fault Rating (kA):
Incomer device	Isolator 250A			

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1,L2,L3	DB-M-Mech Board	4Cx25mm² + 1x16mm² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCCB 3P 100A Ir=100A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	100	54.24
2.L1,L2,L3	DB-1-Split Meter 16+6	4Cx25mm² + 1x16mm² E SWA/XLPE90(70)/Cu,LSZH Length: 5m	MCCB 4P 100A Ir=100A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	100	45.22
3.L1,L2,L3	DB-2-Split Meter 16+6	4Cx25mm² + 1x16mm² E SWA/XLPE90(70)/Cu,LSZH Length: 27m	MCCB 3P 100A Ir=100A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	100	19.13
4.L1	FAP	2C+E 1.5mm² + E 1.5mm² cable core FP PLUS Length: 15m	MCCB 1P 16A Ir=16A/18kA Schneider Electric NSX100 F TM-D 18kA (2P)	16	2.17
4.L2	SEC	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCCB 1P 16A Ir=16A/18kA Schneider Electric NSX100 F TM-D 18kA (2P)	16	4.35
4.L3	empty				
5.L1,L2,L3	ATS-Lift	5Cx6mm² (E cable core) Draka FTP120,LSZH Length: 35m	MCCB 3P 25A Ir=20A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	20	10
6.L1	empty				
6.L2	empty				
6.L3	empty				
7.L1	empty				
7.L2	empty				
7.L3	empty				
8.L1	empty				
8.L2	empty				
8.L3	empty				
9.L1,L2,L3	SPD	16mm² + 16mm² E	MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		

Circuits schedule report : DB-M-Mech Board		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB-M-Mech Board		400V AC		TP&N		PB-1	
Total circuit ways		Spare load		Spare ways		Empty ways	
3Ph: 18 / 1Ph: 54		0%		3Ph: 0 , 1Ph: 0		1Ph: 30 (56%)	
Location:	Reveller Mechanical Distribution Cupboard		Mounting:	Surface	Reference No.:		
PFC (kA):	2.66		IP Rating:	IP 4X	Isolator Rating:	100	
Zs (Ω):	0.129		Board Rating (A):	250	Fault Rating (kA):		
Incomer device	Isolator 100A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1,L2,L3	BMS	5Cx10mm ² (E cable core) SWA/XLPE90(70)/Cu,LSZH Length: 5m	MCB B 3P/40A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	40	10
2.L1	MVHR+FCU+BC-MVHR, FCU:00:04, Branch Controller	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/20A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	20	13.04
2.L2	MVHR-RVL.01	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/20A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	20	6
2.L3	ODHs-Over Door Heaters	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/20A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	20	6
3.L1	FCU & MVHR-RVL.08	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 20m	MCB C 1P/20A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	20	6
3.L2	FCU, MVHRs-RVL.07	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 20m	MCB C 1P/20A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	20	12
3.L3	FCU-00:03	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 10m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	0.61
4.L1	FCU-00:04	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 10m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	0.61
4.L2	FCU-00:12	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 10m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	0.61
4.L3	FCU-00:06,07	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 10m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	1.22
5.L1,L2,L3	VRF	5Cx4mm ² (E cable core) SWA/XLPE90(70)/Cu,LSZH Length: 25m	MCB D 4P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type D 10kA	32	15.73
6.L1	WH.00.02-Water Heater	2C+E 4mm ² + E 4mm ² cable core BS8436 LSX/Cu Length: 30m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	10
6.L2	ODH-Over Door Heaters	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 10m	MCB C 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	16	8.7
6.L3	RADs	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	16	10.87
7.L1	WH.00.03-Water Heater	2C+E 4mm ² + E 4mm ² cable core BS8436 LSX/Cu Length: 30m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	10
7.L2	WH.00.04-Water Heater	2C+E 4mm ² + E 4mm ² cable core BS8436 LSX/Cu Length: 30m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	10
7.L3	FCU-00:05	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 10m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	0.61

Circuits schedule report : DB-M-Mech Board				HARLEY HADDOW	
Company	Harley Haddow Ltd - London				
Designer	TG				
Way	Description	Conductor	Protective devices	In(A)	Ib(A)
8.L1	empty				
8.L2	empty				
8.L3	empty				
9.L1	empty				
9.L2	empty				
9.L3	empty				
10.L1	empty				
10.L2	empty				
10.L3	empty				
11.L1	empty				
11.L2	empty				
11.L3	empty				
12.L1	empty				
12.L2	empty				
12.L3	empty				
13.L1	empty				
13.L2	empty				
13.L3	empty				
14.L1	empty				
14.L2	empty				
14.L3	empty				
15.L1	empty				
15.L2	empty				
15.L3	empty				
16.L1	empty				
16.L2	empty				
16.L3	empty				
17.L1	empty				
17.L2	empty				
17.L3	empty				
18.L1,L2,L3	SPD	16mm² + 16mm² E	MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		

Circuits schedule report : BMS		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
BMS		400V AC		TP&N		DB-M	
Total circuit ways		Spare load		Spare ways		Empty ways	
3Ph: 4 / 1Ph: 12		0%		3Ph: 0 , 1Ph: 0		1Ph: 9 (75%)	
Location:			Mounting:	Surface	Reference No.:		
PFC (kA):	2.44 (Limited:1.71)		IP Rating:	IP 4X	Isolator Rating:	40	
Zs (Ω):	0.1479		Board Rating (A):		Fault Rating (kA):		
Incomer device	Isolator 40A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	empty				
1.L2	empty				
1.L3	empty				
2.L1	empty				
2.L2	empty				
2.L3	empty				
3.L1	empty				
3.L2	empty				
3.L3	empty				
4.L1,L2,L3	SPD	16mm² + 16mm² E	MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		

Circuits schedule report : DB-1-Split Meter 16+6		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB-1-Split Meter 16+6		400V AC		TP&N		PB-1	
Total circuit ways		Spare load		Spare ways		Empty ways	
3Ph: 24 / 1Ph: 72		0%		3Ph: 0 , 1Ph: 0		1Ph: 41 (57%)	
Location:	Reveller Main LV Cupboard		Mounting:	Surface	Reference No.:		
PFC (kA):	2.87		IP Rating:	IP 4X	Isolator Rating:	100	
Zs (Ω):	0.1077		Board Rating (A):		Fault Rating (kA):		
Incomer device	Isolator 100A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	empty				
1.L2	empty				
1.L3	empty				
2.L1	empty				
2.L2	Sockets-RVL.03 Breakout	2x2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	4.35
2.L3	Socket Cleaner	2x2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	13.04
3.L1	ID-Induction Loop Rvl.06	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	2.17
3.L2	Sockets-RVL.06 Community	2x2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	26.09
3.L3	Commando Socket	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	10.87
4.L1	Commando Socket	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	10.87
4.L2	ID-Induction Loop RVL.07,08	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	2.17
4.L3	Sockets-RVL.07,08 - Quiet, Office	2x2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	30.44
5.L1	Socket Cleaner-GF & BF	2x2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	4.35
5.L2	DEP-Door Entry Panel	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	16	4.35
5.L3	DHP-Door Hold Panel	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	16	2.17
6.L1	AD-Automatic Doors	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 15m	RCBO B 1P/16A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	16	5

Circuits schedule report : DB-1-Split Meter 16+6				HARLEY HADDOW	
Company	Harley Haddow Ltd - London				
Designer	TG				
Way	Description	Conductor	Protective devices	In(A)	Ib(A)
6.L2	HD+DAC-Hand Dryer+ Disabled Alarm	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 15m	RCBO B 1P/16A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009-1 Type B 10kA 30mA	16	6.52
6.L3	DAC-Disabled Alarm Controller	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 15m	RCBO B 1P/16A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009-1 Type B 10kA 30mA	16	1.5
7.L1	empty				
7.L2	empty				
7.L3	empty				
8.L1	empty				
8.L2	empty				
8.L3	empty				
9.L1	empty				
9.L2	empty				
9.L3	empty				
10.L1	empty				
10.L2	empty				
10.L3	empty				
11.L1	empty				
11.L2	empty				
11.L3	empty				
12.L1	empty				
12.L2	empty				
12.L3	empty				
13.L1	empty				
13.L2	empty				
13.L3	empty				
14.L1	empty				
14.L2	empty				
14.L3	empty				
15.L1	empty				
15.L2	empty				
15.L3	empty				
16.L1,L2,L3	SPD	16mm² + 16mm² E	MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		
17.L1	Lighting-WC Corridor	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	3.26
17.L2	Lighting-Break Out	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	2.17

Circuits schedule report : DB-1-Split Meter 16+6				HARLEY HADDOW	
Company	Harley Haddow Ltd - London				
Designer	TG				
Way	Description	Conductor	Protective devices	In(A)	Ib(A)
17.L3	Lighting-Community Space	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
18.L1	Lighting-Learning Corridor	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	3.26
18.L2	Lighting-Office, Quite Room	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
18.L3	Lighting-Lift & Stairs	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
19.L1	Lighting-Break Out Cupboards	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	2.17
19.L2	Lighting-WC Cubicles	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	2.17
19.L3	Lighting-WC Joinery	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	2.17
20.L1	Lighting-Accessbile Toilet	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
20.L2	Lighting-Community Space Cupboards	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
20.L3	Lighting-Learning Corridor	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	3.26
21.L1	Lighting-Learning Corridor Wall	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	3.26
21.L2	Lighting-Office Joinery	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
21.L3	empty				
22.L1	empty				
22.L2	empty				
22.L3	empty				
23.L1	empty				
23.L2	empty				
23.L3	empty				
24.L1	empty				
24.L2	empty				
24.L3	empty				

Circuits schedule report : DB-2-Split Meter 16+6		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB-2-Split Meter 16+6		400V AC		TP&N		PB-1	
Total circuit ways		Spare load		Spare ways		Empty ways	
3Ph: 24 / 1Ph: 72		0%		3Ph: 0 , 1Ph: 0		1Ph: 57 (79%)	
Location:	Community Room LV Cupboard	Mounting:	Surface	Reference No.:			
PFC (kA):	2.43	IP Rating:	IP 4X	Isolator Rating:			100
Zs (Ω):	0.1553	Board Rating (A):		Fault Rating (kA):			
Incomer device	Isolator 100A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	Welcome Screens	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/16A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	16	10
1.L2	Blind, Indcution, Intercom	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\MCB B 1P/20A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	20	6
1.L3	Sockets-RVL.02 Studio	2x2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	30.44
2.L1	Sockets-RVL.01 Reception	2x2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	17.39
2.L2	SS-Secuirty Scanner	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	2.17
2.L3	empty				
3.L1	empty				
3.L2	empty				
3.L3	empty				
4.L1	empty				
4.L2	empty				
4.L3	empty				
5.L1	empty				
5.L2	empty				
5.L3	empty				
6.L1	empty				
6.L2	empty				
6.L3	empty				
7.L1	empty				
7.L2	empty				
7.L3	empty				
8.L1	empty				
8.L2	empty				
8.L3	empty				

Circuits schedule report : DB-2-Split Meter 16+6		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
9.L1	empty				
9.L2	empty				
9.L3	empty				
10.L1	empty				
10.L2	empty				
10.L3	empty				
11.L1	empty				
11.L2	empty				
11.L3	empty				
12.L1	empty				
12.L2	empty				
12.L3	empty				
13.L1	empty				
13.L2	empty				
13.L3	empty				
14.L1	empty				
14.L2	empty				
14.L3	empty				
15.L1	empty				
15.L2	empty				
15.L3	empty				
16.L1,L2,L3	SPD	16mm² + 16mm² E	MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		
17.L1	Lighting-Studio	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
17.L2	Lighting-Reception	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
17.L3	Lighting-External	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
18.L1	Lighting-Studio	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
18.L2	Lighting-Reception	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
18.L3	Lighting-Reception	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
19.L1	Lighting-ASHP Enlclosure	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
19.L2	empty				
19.L3	empty				
20.L1	empty				

Circuits schedule report : DB-2-Split Meter 16+6				HARLEY HADDOW	
Company	Harley Haddow Ltd - London				
Designer	TG				
Way	Description	Conductor	Protective devices	In(A)	Ib(A)
20.L2	empty				
20.L3	empty				
21.L1	empty				
21.L2	empty				
21.L3	empty				
22.L1	empty				
22.L2	empty				
22.L3	empty				
23.L1	empty				
23.L2	empty				
23.L3	empty				
24.L1	empty				
24.L2	empty				
24.L3	empty				

Circuits schedule report : ATS-Lift						HARLEY HADDOW		
Company		Harley Haddow Ltd - London						
Designer		TG						
Description		Voltage		Phase		From description		
ATS-Lift		400V AC		TP&N		PB-1		
Total circuit ways		Spare load		Spare ways		Empty ways		
3Ph: 1 / 1Ph: 3		0%		3Ph: 0 , 1Ph: 0		1Ph: 0 (0%)		
Location:			Mounting:		Surface	Reference No.:		
PFC (kA):		1.31	IP Rating:		IP 4X	Isolator Rating:		
Zs (Ω):		0.3387	Board Rating (A):			Fault Rating (kA):		
Incomer device								
Way	Description	Conductor			Protective devices		In(A)	Ib(A)
5.L1,L2,L3	Lift	5Cx4mm² (E cable core) Draka FTP120,LSZH Length: 6m						10

Circuits schedule report : DB.ARCHES		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB.ARCHES		400V AC		TP&N		Main Busbar (Existing)	
Total circuit ways		Spare load		Spare ways		Empty ways	
3Ph: 6 / 1Ph: 18		0%		3Ph: 0 , 1Ph: 0		1Ph: 6 (33%)	
Location:	Arches		Mounting:	Surface	Reference No.:		
PFC (kA):	2.61		IP Rating:	IP 4X	Isolator Rating:	125	
Zs (Ω):	0.1306		Board Rating (A):	250	Fault Rating (kA):		
Incomer device	Isolator 125A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	DB.A1-VISTOR'S WC	2Cx10mm² + 1x10mm² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	50	10
1.L2	DB.A2-VOLUNTEER SPACE	2Cx10mm² + 1x10mm² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	50	10
1.L3	DB.A3-VOLUNTEER SPACE	2Cx10mm² + 1x10mm² E SWA/XLPE90(70)/Cu,LSZH Length: 20m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	50	10
2.L1	DB.A4-MOAT LEGACY SERVICES	2Cx10mm² + 1x10mm² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	50	10
2.L2	DB.A5-STORAGE	2Cx10mm² + 1x10mm² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	50	10
2.L3	WH-Water Heater	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	MCB C 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	16	8.7
3.L1	EF-Extract Fan	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 30m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	0.61
3.L2	empty				
3.L3	Sockets	2x2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/32A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	32	6.52
4.L1	Lighting-Storage	3Cx1.5mm² (E cable core) SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
4.L2	empty				
4.L3	empty				
5.L1	empty				
5.L2	empty				
5.L3	empty				
6.L1,L2,L3	SPD	16mm² + 16mm² E	MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		

Circuits schedule report : DB.A1-VISTOR'S WC		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage	Phase	From description	
DB.A1-VISTOR'S WC		230V AC	SP&N	DB.ARCHES	
Total circuit ways		Spare load	Spare ways	Empty ways	
10		0%	0	1Ph: 4 (40%)	
Location:	Arches	Mounting:	Surface	Reference No.:	
PFC (kA):	1.46	IP Rating:	IP 4X	Isolator Rating:	50
Zs (Ω):	0.1911	Board Rating (A):	125	Fault Rating (kA):	
Incomer device	Isolator 50A				

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	Lighting-Visitor's WC	3Cx1.5mm ² (E cable core) SWA/PVC70/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
2.L1	Sockets-Vistor's WC	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	0.87
3.L1	EF-Extract Fan	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 30m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	1.22
4.L1	RAD-Radiator	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 30m	AFDD\MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	8.7
5.L1	DAC-Disabled Alarm Controller	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 30m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	1
6.L1	WH-Water Heater	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	8.7
7.L1	empty				
8.L1	empty				
9.L1	empty				
10.L1	empty				

Circuits schedule report : DB.A2-VOLUNTEER SPACE		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB.A2-VOLUNTEER SPACE		230V AC		SP&N		DB.ARCHES	
Total circuit ways		Spare load		Spare ways		Empty ways	
10		0%		0		1Ph: 4 (40%)	
Location:	Arches		Mounting:	Surface	Reference No.:		
PFC (kA):	1.46		IP Rating:	IP 4X	Isolator Rating:	50	
Zs (Ω):	0.1911		Board Rating (A):	125	Fault Rating (kA):		
Incomer device	Isolator 50A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L2	Lighting-Volunteer Space	3Cx1.5mm ² (E cable core) SWA/PVC70/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
2.L2	Sockets-Volunteer Space	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	2.61
3.L2	EF-Extract Fan	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 30m	MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	6	0.61
4.L2	RAD-Radiator	2C+E 1.5mm ² + E 1.5mm ² cable core BS8436 LSX/Cu Length: 30m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	4.35
5.L2	DW-Dish Washer	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/16A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	16	8.7
6.L2	WH-Water Heater	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	8.7
7.L2	empty				
8.L2	empty				
9.L2	empty				
10.L2	empty				

Circuits schedule report : DB.A3-VOLUNTEER SPACE						HARLEY HADDOW	
Company		Harley Haddow Ltd - London					
Designer		TG					
Description		Voltage		Phase		From description	
DB.A3-VOLUNTEER SPACE		230V AC		SP&N		DB.ARCHES	
Total circuit ways		Spare load		Spare ways		Empty ways	
10		0%		0		1Ph: 5 (50%)	
Location:	Arches		Mounting:	Surface	Reference No.:		
PFC (kA):	1.32		IP Rating:	IP 4X	Isolator Rating:	50	
Zs (Ω):	0.2121		Board Rating (A):	125	Fault Rating (kA):		
Incomer device	Isolator 50A						
Way	Description	Conductor		Protective devices		In(A)	Ib(A)
1.L3	Lighting-Volunteer Space	3Cx1.5mm² (E cable core) SWA/PVC70/Cu Length: 15m		MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		10	0.44
2.L3	Sockets-Volunteer Space	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m		AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA		20	0.87
3.L3	EF-Extract Fan	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 30m		MCB C 1P/6A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		6	0.61
4.L3	RAD-Radiator	2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 30m		MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA		16	4.35
5.L3	WH-Water Heater	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m		AFDD\RCBO B 1P/16A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA		16	8.7
6.L3	empty						
7.L3	empty						
8.L3	empty						
9.L3	empty						
10.L3	empty						

Circuits schedule report : DB.A4-MOAT LEGACY SERVICES		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage	Phase	From description	
DB.A4-MOAT LEGACY SERVICES		230V AC	SP&N	DB.ARCHES	
Total circuit ways		Spare load	Spare ways	Empty ways	
10		0%	0	1Ph: 8 (80%)	
Location:	Arches	Mounting:	Surface	Reference No.:	
PFC (kA):	1.46	IP Rating:	IP 4X	Isolator Rating:	50
Zs (Ω):	0.1911	Board Rating (A):	125	Fault Rating (kA):	
Incomer device	Isolator 50A				

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	Lighting-Moat Legacy	3Cx1.5mm² (E cable core) SWA/PVC70/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
2.L1	Sockets-Moat Legacy	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	0.87
3.L1	empty				
4.L1	empty				
5.L1	empty				
6.L1	empty				
7.L1	empty				
8.L1	empty				
9.L1	empty				
10.L1	empty				

Circuits schedule report : DB.A5-STORAGE		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB.A5-STORAGE		230V AC		SP&N		DB.ARCHES	
Total circuit ways		Spare load		Spare ways		Empty ways	
10		0%		0		1Ph: 6 (60%)	
Location:	Arches		Mounting:	Surface	Reference No.:		
PFC (kA):	1.46		IP Rating:	IP 4X	Isolator Rating:	50	
Zs (Ω):	0.1911		Board Rating (A):	125	Fault Rating (kA):		
Incomer device	Isolator 50A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L2	Lighting-Storage	3Cx1.5mm ² (E cable core) SWA/PVC70/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
2.L2	Sockets-Storage	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	1.74
3.L2	Sockets-Stores Arch 7&8	2C+E 2.5mm ² + E 2.5mm ² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	1.74
4.L2	Lighting-Stores Arch 7&8	3Cx1.5mm ² (E cable core) SWA/PVC70/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	0.44
5.L2	empty				
6.L2	empty				
7.L2	empty				
8.L2	empty				
9.L2	empty				
10.L2	empty				

Circuits schedule report : DB.RAMP						HARLEY HADDOW		
Company		Harley Haddow Ltd - London						
Designer		TG						
Description		Voltage		Phase		From description		
DB.RAMP		400V AC		TP&N		Main Busbar (Existing)		
Total circuit ways		Spare load		Spare ways		Empty ways		
3Ph: 4 / 1Ph: 12		0%		3Ph: 0 , 1Ph: 0		1Ph: 5 (42%)		
Location:			Mounting:		Surface	Reference No.:		
PFC (kA):		2.61	IP Rating:		IP 4X	Isolator Rating:		
Zs (Ω):		0.1306	Board Rating (A):		250	Fault Rating (kA):		
Incomer device		Isolator 125A						
Way	Description		Conductor		Protective devices		In(A)	Ib(A)
1.L1	DB.SENTRY		3Cx25mm² (E cable core) SWA/XLPE90(70)/Cu,LSZH Length: 15m		MCB C 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		50	10
1.L2	LED Drivers		2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 3m		MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		10	4
1.L3	LED Drivers		2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 3m		MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		10	4
2.L1	LED Drivers		2C+E 1.5mm² + E 1.5mm² cable core BS8436 LSX/Cu Length: 3m		MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA		10	4
2.L2	empty							
2.L3	empty							
3.L1	empty							
3.L2	empty							
3.L3	empty							
4.L1,L2,L3	SPD		16mm² + 16mm² E		MCB C 3P/32A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA			

Circuits schedule report : DB.SENTRY		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Description		Voltage		Phase		From description	
DB.SENTRY		230V AC		SP&N		DB.RAMP	
Total circuit ways		Spare load		Spare ways		Empty ways	
4		0%		0		1Ph: 1 (25%)	
Location:	Sentry		Mounting:	Surface	Reference No.:		
PFC (kA):	1.8		IP Rating:	IP 4X	Isolator Rating:	63	
Zs (Ω):	0.1541		Board Rating (A):	125	Fault Rating (kA):		
Incomer device	Isolator 63A						

Way	Description	Conductor	Protective devices	In(A)	Ib(A)
1.L1	Sockets	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 25m	AFDD\RCBO B 1P/20A/10kA/30mA/Class A (Inst) Schneider Electric iC60 IEC 61009- 1 Type B 10kA 30mA	20	1.74
2.L1	PH-Panel Heater	2C+E 2.5mm² + E 2.5mm² cable core BS8436 LSX/Cu Length: 30m	MCB B 1P/16A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	16	4.35
3.L1	Lighting	2x1Cx1.5mm² + 1x25mm² E PVC70/S/Cu Length: 15m	MCB C 1P/10A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	10	4.35
4.L1	empty				

Boards schedule report		HARLEY HADDOW
Company	Harley Haddow Ltd - London	
Designer	TG	

Board description	Supply from	Phase	Volts (V)	Conductor	Protective devices	Incomer devices
PB-1	Main Busbar (Existing)	TPN	400 / 230	4Cx95mm ² + 1x50mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 5m		Isolator 250A
DB-M-Mech Board	PB-1	TPN	400 / 230	4Cx25mm ² + 1x16mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCCB 3P 100A Ir=100A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	Isolator 100A
BMS	DB-M-Mech Board	TPN	400 / 230	5Cx10mm ² (E cable core) SWA/XLPE90(70)/Cu,LSZH Length: 5m	MCB B 3P/40A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	Isolator 40A
DB-1-Split Meter 16+6	PB-1	TPN	400 / 230	4Cx25mm ² + 1x16mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 5m	MCCB 4P 100A Ir=100A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	Isolator 100A
DB-2-Split Meter 16+6	PB-1	TPN	400 / 230	4Cx25mm ² + 1x16mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 27m	MCCB 3P 100A Ir=100A/25kA Adjustable Schneider Electric NSX100 B TM-D 25kA	Isolator 100A
DB.ARCHES	Main Busbar (Existing)	TPN	400 / 230	4Cx35mm ² + 1x25mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 25m	Fuse 3P 100A/80kA Generic BS88 fuses	Isolator 125A
DB.A1-VISTOR'S WC	DB.ARCHES	SPN	230	2Cx10mm ² + 1x10mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	Isolator 50A
DB.A2-VOLUNTEER SPACE	DB.ARCHES	SPN	230	2Cx10mm ² + 1x10mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	Isolator 50A
DB.A3-VOLUNTEER SPACE	DB.ARCHES	SPN	230	2Cx10mm ² + 1x10mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 20m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	Isolator 50A
DB.A4-MOAT LEGACY SERVICES	DB.ARCHES	SPN	230	2Cx10mm ² + 1x10mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	Isolator 50A

Boards schedule report	
Company	Harley Haddow Ltd - London
Designer	TG

HARLEY
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Board description	Supply from	Phase	Volts (V)	Conductor	Protective devices	Incomer devices
DB.A5-STORAGE	DB.ARCHES	SPN	230	2Cx10mm ² + 1x10mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB B 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type B 10kA	Isolator 50A
DB.RAMP	Main Busbar (Existing)	TPN	400 / 230	4Cx35mm ² + 1x25mm ² E SWA/XLPE90(70)/Cu,LSZH Length: 25m	Fuse 3P 100A/80kA Generic BS88 fuses	Isolator 125A
DB.SENTRY	DB.RAMP	SPN	230	3Cx25mm ² (E cable core) SWA/XLPE90(70)/Cu,LSZH Length: 15m	MCB C 1P/50A/10kA Schneider Electric iC60H IEC/EN 60898-1 Type C 10kA	Isolator 63A