

DISTRIBUTION BOARD SCHEDULE															HARLEY HADDOW					
PROJECT REF/TITLE		Carbon 4 Projects Bury																		
DB REF		ASHP																		
DB LOCATION		Container/Plantroom																		
DB FUNCTION																				
SUPPLIED FROM		MSWB						No. OF TP&N WAYS		10	TYPE	A	Revision:		P01					
SUPPLY CABLE		50mm2						EARTH FAULT IMPEDANCE Z _s						Ω		I _{pSC}		kA		
BOARD OVERCURRENT PROTECTIVE DEVICE (BS (EN))			60947-2		RATING (A)		125		ASSOCIATED RESIDUAL CURRENT DEVICE RATING (IF APPLICABLE)										A	
BOARD SWITCH DISCONNECTOR			INTEGRAL (Y/N)		RATING (A)		125						RCD No. OF POLES				IΔn		mA	
SCHEDULE TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED MATERIALS PROVIDED AS PART OF THE WORKS PACKAGE																				
CIRCUIT NUMBER/ PHASE		CIRCUIT LOCATION & FUNCTION				CABLE & INSTALLATION DETAILS						OVERCURRENT PROTECTIVE DEVICE			RCD/RCBO OPERATING CURRENT IΔn BS 7671 REG 543.7 COMPLIANT (HIGH INTEGRITY EARTHING) BS EN 62066 COMPLIANT AFDD's TO SUIT BS 7671 RECOMMENDATIONS					
						CIRCUIT TYPE	TYPE OF WIRING	No. OF CORES IN MULTICORE CABLE	CIRCUIT CONDUCTOR CSA			SHORT CIRCUIT CAPACITY							kA	
									PHASE (mm ²)	CPC (mm ²)	CPC TYPE	BS (EN)	BREAKER TYPE	RATING I _n						
1	L1	ASHP 01				RAD	E	4	16.0	4.0	Y	60898	D	50						
	L2	ASHP 01				RAD														
	L3	ASHP 01				RAD														
2	L1	ASHP 02				RAD	E	4	16.0	4.0	Y	60898	D	50						
	L2	ASHP 02				RAD														
	L3	ASHP 02				RAD														
3	L1	Shunt Pump P01				RAD	E	3	4.0		X	60898	C	20						
	L2	Shunt Pump P02				RAD	E	3	4.0		X	60898	C	20						
	L3	Primary Pump P03				RAD	E	3	4.0		X	60898	C	20						
4	L1	Secondary Pump P04				RAD	E	3	4.0		X	60898	C	20						
	L2	BMS Panel				RAD	E	4	6.0		Y	60898	C	40						
	L3	Panel Heater				RAD	C	3	4.0	4.0	Z	60898	C	20						
5	L1	WSHP				RAD	E	4	16.0	4.0	Y	60898	D	63						
	L2	WSHP				RAD														
	L3	WSHP				RAD														
6	L1	Lighting				LTG	C	3	2.5	2.5	Z	60898	B	20						
	L2	Spare																		
	L3	Spare																		
7	L1																			
	L2																			
	L3																			
8	L1																			
	L2																			
	L3																			
CIRCUIT TYPE		CPC TYPE				BS(EN) NUMBERS						RCD TYPE								
LTG - LIGHTING RAD - RADIAL RNG - RING PWR - MAINS		W - Metallic Conduit or Trunking Y - Armour/Sheath via Earth Tail Connection		X - Intergral Core of Cable Z- Separate Cu/LSF Cable		60898 - MCB 60947-2 - MCCB 61008 - RCD 61009 - RCBO		BS 88 - HRC Fuselinks BS1361- HRC Fuselinks BS3036 - Rewirable Fuse				AC - General Purpose Use (SP&N) A - Equipment inc electronic (SP&N) B - General Three Phase Loads EV - Single or Three Phase EV F - Equipment c/w frequency controlled drives								
TYPE OF WIRING																				
A		B		C		D		E		F										
Cu/XLPE/LSF Twin & Earth Cables		Cu/PVC/PVC Twin & Earth Cables		Cu/LSF Singles		Cu/PVC/SWA/PVC Multicore Cables		Cu/XLPE/SWA/LSF Multicore Cables		Multicore Flexishield Type (BS8436 Compliant) Cable										

DISTRIBUTION BOARD SCHEDULE



The Multi-disciplinary Engineering Consultancy
Edinburgh | London | Glasgow

PROJECT REF/TITLE

Carbon 4 Projects Bury,

DB REF/LOCATION

ASHP,

CIRCUIT NUMBER/ PHASE		CIRCUIT LOCATION & FUNCTION	CABLE & INSTALLATION DETAILS						OVERCURRENT PROTECTIVE DEVICE			RCD TYPE	RCD/RCBO OPERATING CURRENT I _{on} mA	BS 7671 REG 543.7 COMPLIANT (HIGH INTEGRITY EARTHING)	BS EN 62606 COMPLIANT AFDD's TO SUIT BS 7671 RECOMMENDATIONS		
			CIRCUIT TYPE	TYPE OF WIRING	No. OF CORES IN MULTICORE CABLE	CIRCUIT CONDUCTOR CSA			SHORT CIRCUIT CAPACITY	BREAKER TYPE	ka						
						PHASE (mm ²)	CPC (mm ²)	CPC TYPE	BS (EN)		RATING I _n						
											A						
9	L1																
	L2																
	L3																
10	L1																
	L2																
	L3																
11	L1																
	L2																
	L3																
12	L1																
	L2																
	L3																
13	L1																
	L2																
	L3																
14	L1																
	L2																
	L3																
15	L1																
	L2																
	L3																
16	L1																
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Cu/XLPE/LSF Twin & Earth Cables		Cu/PVC/PVC Twin & Earth Cables		Cu/LSF Singles		Cu/PVC/SWA/PVC Multicore Cables		Cu/XLPE/SWA/LSF Multicore Cables		Multicore Flexishield Type (BS8436 Compliant) Cable							

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17	L1														
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	L2														
	L3														
19	L1														
	L2														
	L3														
20	L1														
	L2														
	L3														
21	L1														
	L2														
	L3														
22	L1														
	L2														
	L3														
23	L1														
	L2														
	L3														
24	L1														
	L2														
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