

DISTRIBUTION BOARD : DB/1									
LOCATION: SWITCH ROOM									
GENERAL LIGHTING AND POWER									
SMALL POWER SECTION									
WAY	MCB TYPE	MCB RATING	RCD mA	CABLE SIZE (mm²)	CABLE TYPE	CIRCUIT DESCRIPTION	NOTES		
1L1	B	32	30	2.5	2c+E LSZH 624B	WORKSHOP REST ROOM / STORE SOCKET OUTLETS	RING CIRCUIT		
1L2	B	32	30	2.5	2c+E LSZH 624B	WORKSHOP SOCKET OUTLETS	RING CIRCUIT		
1L3	B	32	30	2.5	2c+E LSZH 624B	COMMUNITY STUDIO SOCKET OUTLETS	RING CIRCUIT		
2L1	B	32	30	2.5	2c+E LSZH 624B	COMMUNITY STUDIO KITCHEN SOCKET OUTLETS	RING CIRCUIT		
2L2	B	32	30	2.5	2c+E LSZH 624B	TREATMENT ROOMS SOCKET OUTLETS	RING CIRCUIT		
2L3	B	16	30	2.5	2c+E LSZH 624B	COMMUNITY STUDIO WC HAND DRYER	RADIAL CIRCUIT		
3L1	B	16	30	2.5	2c+E LSZH 624B	ACCESSIBLE WC HAND DRYER	RADIAL CIRCUIT		
3L2	B	32	30	2.5	2c+E LSZH 624B	LOBBY SOCKET OUTLETS	RING CIRCUIT		
3L3	B	32	30	2.5	2c+E LSZH 624B	OFFICE AREA SOCKET OUTLETS	RING CIRCUIT		
4L1	C	20	-	4.0	2c+E LSZH 624B	WORKSHOP ROLLER SHUTTER DOOR POWER	RADIAL CIRCUIT		
4L2	B	32	30	6.0	3c XLPE/SWALSZH	EXTERNAL SOCKET OUTLET	RADIAL CIRCUIT		
4L3						SPARE	BLANKING MODULE TO BE PROVIDED		
5L123						SPARE	BLANKING MODULE TO BE PROVIDED		
6L1	B	16	-	2.5	1c 6491B LSZH	DATA LOGGER POWER SUPPLY	RADIAL CIRCUIT		
6L2	B	16	-	2.5	2c+E LSZH 624B	ACCESSIBLE WC ALARM SYSTEM	RADIAL CIRCUIT		
6L3	B	16	-	2.5	2c+E LSZH 624B	PA SYSTEM	RADIAL CIRCUIT		
7L1	B	16	-	2.5	2c+E LSZH 624B	GATE ACCESS CONTROL SYSTEM	RADIAL CIRCUIT		
7L2	B	16	-	2.5	2c+E LSZH 624B	CCTV SYSTEM	RADIAL CIRCUIT		
7L3	B	16	-	2.5	2c+E LSZH 624B	SECURITY SYSTEM	RADIAL CIRCUIT		
8L123	B	63	-	INTEGRAL	INTEGRAL	SURGE PROTECTION DEVICE	-		
LIGHTING SECTION									
9L1	C	6	-	1.5	2c+E LSZH 624B	SWITCH ROOM LIGHTING	RADIAL CIRCUIT		
9L2	B	6	-	1.5	1c 6491B LSZH	LIGHTING CONTROL CIRCUIT	RADIAL CIRCUIT		
9L3	C	10	-	1.5	2c+E LSZH 624B	WORKSHOP LIGHTING	RADIAL CIRCUIT		
10L1	C	10	30	1.5	2c+E LSZH 624B	COMMUNITY STUDIO LIGHTING	RADIAL CIRCUIT		
10L2	C	10	30	1.5	2c+E LSZH 624B	COMMUNITY STUDIO LIGHTING	RADIAL CIRCUIT		
10L3	C	10	30	1.5	2c+E LSZH 624B	COMMUNITY STUDIO LIGHTING	RADIAL CIRCUIT		
11L1	C	10	30	1.5	2c+E LSZH 624B	TREATMENT ROOM LIGHTING	RADIAL CIRCUIT		
11L2	C	10	-	1.5	2c+E LSZH 624B	RECEPTION LOBBY LIGHTING	RADIAL CIRCUIT		
11L3	C	10	30	1.5	2c+E LSZH 624B	OFFICE LIGHTING	RADIAL CIRCUIT		
12L1	C	10	-	1.5	2c+E LSZH 624B	EXTERNAL LIGHTING	RADIAL CIRCUIT, TIME SWITCH CONTROLLED		
12L2	C	10	-	1.5	2c+E LSZH 624B	EXTERNAL LIGHTING	RADIAL CIRCUIT, TIME SWITCH CONTROLLED		
12L3	C	6	30	EXISTING	EXISTING	EXISTING EXTERNAL LIGHTING COLUMN	RADIAL CIRCUIT, TIME SWITCH CONTROLLED. EXISTING CIRCUIT EXTENDED TO NEW SWITCH ROOM		
13L123						SPARE	BLANKING MODULE TO BE PROVIDED		
14L123						SPARE	BLANKING MODULE TO BE PROVIDED		
230A RATED SPLIT-METERED TPN DISTRIBUTION BOARD WITH INTEGRAL 230A SWITCH DISCONNECTOR AND INTEGRAL 2 CHANNEL ENERGY METER									

DISTRIBUTION BOARD : DB/2									
LOCATION: SWITCH ROOM									
GENERAL LIGHTING AND POWER									
SMALL POWER SECTION									
WAY	MCB TYPE	MCB RATING	RCD mA	CABLE SIZE (mm²)	CABLE TYPE	CIRCUIT DESCRIPTION	NOTES		
1L1	B	20	30	2.5	2c+E LSZH 624B	CHANGING VILLAGE SOCKET OUTLETS	RADIAL CIRCUIT		
1L2	B	20	30	2.5	2c+E LSZH 624B	CHANGING VILLAGE SOCKET OUTLETS	RADIAL CIRCUIT		
1L3	B	20	30	2.5	2c+E LSZH 624B	WC HAND DRYERS	RADIAL CIRCUIT		
2L1	B	32	30	2.5	2c+E LSZH 624B	VANITY BENCH SOCKET OUTLETS	RING CIRCUIT. PROVIDE AFFD PROTECTION.		
2L2	B	32	30	2.5	2c+E LSZH 624B	VANITY BENCH SOCKET OUTLETS	RING CIRCUIT. PROVIDE AFFD PROTECTION.		
2L3					SPARE		BLANKING MODULE TO BE PROVIDED		
3L1	B	20	30	2.5	2c+E LSZH 624B	WC HAND DRYERS	RADIAL CIRCUIT		
3L2	B	20	30	2.5	2c+E LSZH 624B	WC HAND DRYERS	RADIAL CIRCUIT		
3L3					SPARE		BLANKING MODULE TO BE PROVIDED		
4L1					SPARE		BLANKING MODULE TO BE PROVIDED		
4L2					SPARE		BLANKING MODULE TO BE PROVIDED		
4L3					SPARE		BLANKING MODULE TO BE PROVIDED		
5L123					SPARE		BLANKING MODULE TO BE PROVIDED		
6L123	B	63	-	INTEGRAL	INTEGRAL	SURGE PROTECTION DEVICE	RADIAL CIRCUIT		
LIGHTING SECTION									
7L1	C	6	-	1.5	2c+E LSZH 624B	WC LIGHTING	RADIAL CIRCUIT		
7L2	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
7L3	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
8L1	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
8L2	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
8L3	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
9L1	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
9L2	C	10	30	1.5	2c+E LSZH 624B	CHANGING VILLAGE LIGHTING	RADIAL CIRCUIT		
9L3	C	6	-	1.5	2c+E LSZH 624B	EXTERNAL LIGHTING	RADIAL CIRCUIT.		
10L1					SPARE		BLANKING MODULE TO BE PROVIDED		
10L2					SPARE		BLANKING MODULE TO BE PROVIDED		
10L3					SPARE		BLANKING MODULE TO BE PROVIDED		
230A RATED SPLIT-METERED TPN DISTRIBUTION BOARD WITH INTEGRAL 230A SWITCH DISCONNECTOR AND INTEGRAL 2 CHANNEL ENERGY METER									

DISTRIBUTION BOARD : DB/3							
LOCATION: PLANT ROOM							
MECHANICAL SERVICES POWER							
WAY	MCB TYPE	MCB RATING	RCD mA	CABLE SIZE (mm²)	CABLE TYPE	CIRCUIT DESCRIPTION	NOTES
1L123	D	80	-	25	5c XLPE/SWALSZH	AIR SOURCE HEAT PUMP	27mm MCB WAY RADIAL CIRCUIT
2L123	B	100	-	35	5c XLPE/SWALSZH	MVHR 1 HEATER BATTERY	27mm MCB WAY RADIAL CIRCUIT
3L1	B	16	30	2.5	2c+E LSZH 624B	TREATMENT ROOM WATER HEATER	RADIAL CIRCUIT, CONTACTOR CONTROLLED
3L2	B	16	-	2.5	2c+E LSZH 624B	TREATMENT ROOM INTERNAL AC UNITS	RADIAL CIRCUIT
3L3	B	20	30	2.5	2c+E LSZH 624B	ACCESS WC / LOBBY ELECTRIC HEATING	RADIAL CIRCUIT, CONTACTOR CONTROLLED
4L1	B	20	30	2.5	2c+E LSZH 624B	OFFICE AREA ELECTRIC HEATING	RADIAL CIRCUIT
4L2	B	16	30	2.5	2c+E LSZH 624B	ACCESS WC WATER HEATER	RADIAL CIRCUIT, CONTACTOR CONTROLLED
4L3	B	16	-	2.5	2c+E LSZH 624B	RECEPTION AMBIENT AIR CURTAIN	RADIAL CIRCUIT
5L123	C	40	-	10.0	4c XLPE/SWALSZH	MECHANICAL CONTROL PANEL	RADIAL CIRCUIT
6L123	B	20	-	4.0	4c XLPE/SWALSZH	IMMERSION HEATER 1	RADIAL CIRCUIT, CONTACTOR CONTROLLED
7L123	B	20	-	4.0	4c XLPE/SWALSZH	IMMERSION HEATER 2	RADIAL CIRCUIT, CONTACTOR CONTROLLED
8L123	C	16	-	2.5	5c XLPE/SWALSZH	MVHR 1	RADIAL CIRCUIT
9L123	C	16	-	4.0	5c XLPE/SWALSZH	MVHR 2	RADIAL CIRCUIT
10L123	B	25	-	6.0	5c XLPE/SWALSZH	MVHR 2 HEATER BATTERY	RADIAL CIRCUIT
11L1	B	20	30	2.5	3c XLPE/SWALSZH	TRACE HEATING	RADIAL CIRCUIT
11L2	C	16	-	2.5	3c XLPE/SWALSZH	BCWS PUMP SET 1	RADIAL CIRCUIT
11L3	C	20	-	2.5	1c LSZH 6491B	UNDERFLOOR HEATING MANIFOLDS	RADIAL CIRCUIT
12L1	B	20	30	2.5	1c LSZH 6491B	SWITCH ROOM SMALL POWER	RADIAL CIRCUIT
12L2	C	16	-	2.5	3c XLPE/SWALSZH	BCWS PUMP SET 2	RADIAL CIRCUIT
12L3						SPARE	BLANKING MODULE TO BE PROVIDED
13L123						SPARE	BLANKING MODULE TO BE PROVIDED
14L123						SPARE	BLANKING MODULE TO BE PROVIDED
15L123						SPARE	BLANKING MODULE TO BE PROVIDED
16L123	B	63	-	6.0	1c LSZH 6491B	TYPE 2 SURGE PROTECTION DEVICE	RADIAL CIRCUIT
250A RATED TPN 'HIGH LOAD' DISTRIBUTION BOARD WITH INTEGRAL 250A SWITCH DISCONNECTOR AND INTEGRAL ENERGY METER							

DISTRIBUTION BOARD : DB/4							
LOCATION: POOL PLANT ROOM							
MECHANICAL SERVICES POWER							
WAY	MCB TYPE	MCB RATING	RCD mA	CABLE SIZE (mm²)	CABLE TYPE	CIRCUIT DESCRIPTION	NOTES
1L123	C	63	-	EXISTING	EXISTING	EXISTING MECHANICAL CONTROL PANEL	EXISTING CIRCUIT RETAINED
2L123						SPARE	
3L1	C	16	30	EXISTING	EXISTING	POOL COVER POWER SUPPLY	EXISTING CIRCUIT RETAINED
3L2	B	10	-	EXISTING	EXISTING	EXISTING GATE SUPPLY	EXISTING CIRCUIT RETAINED
3L3	C	6	-	1.5	1c LSZH 6491B	POOL PLANT ROOM LIGHTING	RADIAL CIRCUIT
4L1						SPARE	
4L2	B	16	-	2.5	2c+E LSZH 624B	COMMUNITY STUDIO INTERNAL AC UNITS	RADIAL CIRCUIT
4L3	C	32	-	EXISTING	EXISTING	EXISTING POOL PLANT ROOM SOCKET OUTLETS	EXISTING CIRCUIT RETAINED
5L1	C	20	30	2.5	2c+E LSZH 624B	WORKSHOP AREA ELECTRIC HEATING	RADIAL CIRCUIT
5L2	B	16	30	2.5	2c+E LSZH 624B	PLANT ROOM WATER HEATER	RADIAL CIRCUIT, CONTACTOR CONTROLLED
5L3	B	16	30	2.5	2c+E LSZH 624B	COMMUNITY STUDIO WATER HEATER	RADIAL CIRCUIT, CONTACTOR CONTROLLED
6L123	C	32	-	6.0	5c XLPE/SWALSZH	NEW COMMUNITY STUDIO EXTERNAL HEAT PUMP UNIT	RADIAL CIRCUIT
7L123	C	32	-	EXISTING	EXISTING	EXISTING AIR SOURCE HEAT PUMP	EXISTING CIRCUIT RETAINED
8L123	C	33	-	EXISTING	EXISTING	EXISTING AIR SOURCE HEAT PUMP	EXISTING CIRCUIT RETAINED
EXISTING 125A RATED TPN DISTRIBUTION BOARD RETAINED. PROVIDE NEW FINAL CIRCUITS AS INDICATED							

