



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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C0677a - RSPCA - WACOL

C0677a-0014(A).xls

**DISTRIBUTION BOARD DB-BG1 (BUILDING B GROUND LEVEL STORE ROOM)**

**REVISION A - 01 JULY 2010**

							REV
FAULT CURRENT:		6KA		MAIN SWITCH:		160A NON AUTO ISOLATOR	A
CHASSIS SIZE:		48 POLES		SUPPLIED FROM:		MSB	A
CHASSIS RATING:		250A		SUPPLY CABLE:		4C70	A
PHASES:		3					A
PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. WITH SURGE PROTECTION. REFER TO THE DB-BG1 SCHEMATIC FOR THE SWITCHBOARD CONFIGURATION							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE ( mm2 )	LOCATION	CIRCUIT USE	
P1	3	63		16.0	INTERNAL	LIFT	A
P2	1	25	RCD	4.0	AMENITIES	HAND DRYER	A
P3	1	20	RCD	2.5	INTERNAL	GPOs	A
P4	1	20	RCD	2.5	BEHAVIOURAL OFFICE	WORKSTATION	A
P5	1	20	RCD	2.5	BOARD ROOM	BOARD ROOM	A
P6	1	20	RCD	2.5	INTERNAL	GPOs	A
P7	1	20	RCD	2.5	BOARD ROOM	BOARD ROOM	A
P8	1	20	RCD	2.5	STORE / OFFICE	GPOs	A
P9	1	25	RCD	4.0	AMENITIES	HAND DRYER	A
P10	1	20	RCD	2.5	AMENITIES	GPOs	A
P11	1	20	RCD	2.5	EXTERNAL	GPOs	A
P12	1	20	RCD	2.5	IT STORE	AUDIO RACK	A
P13	1	20	RCD TC ON OFF	2.5	BOARD ROOM	AUTO BOILER	A
P14	1	20	RCD	2.5	EXTERNAL	1KW PUMP	A
L1	1	20	RCD	2.5	INTERNAL	LIGHT	A
L2	1	20	RCD	2.5	INTERNAL	LIGHT	A
L3	1	20	RCD	2.5	AMENITIES	LIGHT	A
L4	1	20	RCD	2.5	INTERNAL / STAIRWELL	LIGHT	A
L5	1	20	RCD PE CELL ON / OFF	2.5	EXTERNAL	LIGHT	A
L6	3	40		6.0	BOARD ROOM	DIMMER	A