



# ELECTRICAL DESIGN GROUP

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## C3120a - ST JOHNS ANGLICAN COLLEGE, FOREST LAKE - AQUATIC CENTRE STAGE 1 C3120a-0010(A).xls

### DISTRIBUTION BOARD DB-3 (POOL PLANT)

REVISION A - 17 MAY 2024

FAULT CURRENT: 6kA UTILISING CASCADING CHASSIS SIZE: 60 POLES CHASSIS RATING: 250A PHASES: 3							REV
							A
							A
							A
							A
PROVIDE THE DISTRIBUTION BOARD WITH SURGE PROTECTION AND AN AS2293 TESTING FACILITY. REFER TO THE SCHEMATIC FOR THE ARRANGEMENT DETAILS. PROVIDE THE DISTRIBUTION BOARD WITH A SPARE WIDE HORIZONTAL DIN RAIL IN ADDITION TO THE DIN RAIL REQUIRED TO ACCOMMODATE THE CONTROLS SUPPLIED AS PART OF THE CONTRACT WORKS.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm <sup>2</sup> )	LOCATION	CIRCUIT USE	
P1	3	40		6.0	PLANT ROOM	MSSB-3	A
P2	1	20	RCD	2.5	PLANT ROOM	MAINTENANCE	A
P3	1	20	RCD	2.5	PLANT ROOM	MAINTENANCE	A
P4	1	20	RCD	2.5	PLANT ROOM	IRRIGATION	A
P5	1	20	RCD	2.5	PLANT ROOM	IRRIGATION	A
P6	3	20		4.0	PLANT ROOM	5.5KW PUMP	A
P7	1	20	RCD	2.5	PLANT ROOM	BENCH GPOS	A
P8	1	20	RCD	2.5	PLANT ROOM	CR-3	A
P9	3	20		4.0	PLANT ROOM	5.5KW PUMP	A
P10	3	20		4.0	PLANT ROOM	5.5KW PUMP	A
P11	3	20		4.0	EXTERNAL	SEWER PUMP	A
L1	1	20	RCBO	2.5	PLANT ROOM	LIGHTING	A
L2	1	20	RCBO	2.5	EXTERNAL	LIGHTING	A